STIC Search Report
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STIC Database Tracking Number: 138577

TO: Rei-Tsang Shiao **Location: 5a10 / 5c18** **Tuesday, November 30, 2004** **Art Unit: 1626** **Phone: 272-0707** **Serial Number: 10 / 009407**	**From: Jan Delaval** **Location: Biotech-Chem Library** **Rem 1A51** **Phone: 272-2504** **jan.delaval@uspto.gov**

Search Notes

Jan. Delored for search

Access DB# 135597

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Robert (Rob) Shiu Examiner #: 79521 Date: 1/23/04

Art Unit: 1626 Phone Number 22-0707 Serial Number: 10/009407

Mail Box and Bldg/Room Location: 5A10/5C18 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

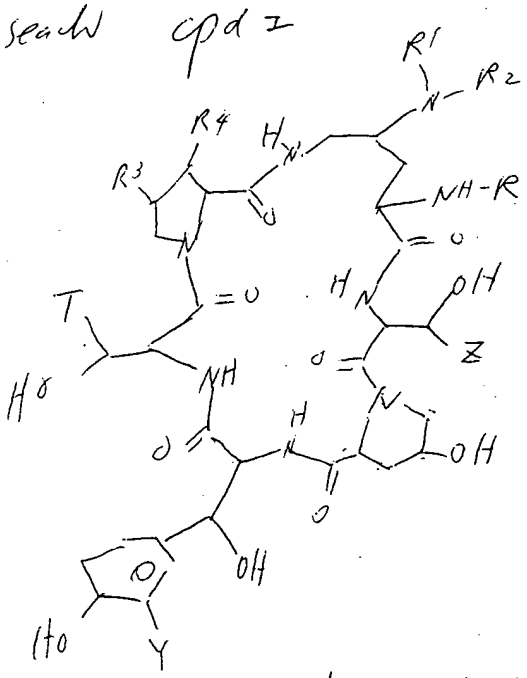
Title of Invention: Novel echinocandin derivative,

Inventors (please provide full names): Burton et al

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

I search cpd I



1. R is —C(=O)—aryl-heteroaryl or —C(=O)—heteroaryl or

2. R^1 ~ R^4 are sub.

3. T is sub

Y is sub

W is H or OH

Z is sub.

II process of making and Methods of use of cpd I

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STAFF USE ONLY

Searcher: _____

Searcher Phone #: 22504

Searcher Location: _____

Date Searcher Picked Up: 1/30

Date Completed: 1/30

Searcher Prep & Review Time: _____

Clerical Prep Time: 10

Online Time: + 15

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) ✓

Bibliographic _____

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN ✓

Dialog _____

Questel/Orbit _____

Dr.Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

PTO-1590 (8-01)

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES:   28 NOV 2004  HIGHEST RN 790189-55-8
DICTIONARY FILE UPDATES:  28 NOV 2004  HIGHEST RN 790189-55-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d sta que l3
L1              STR
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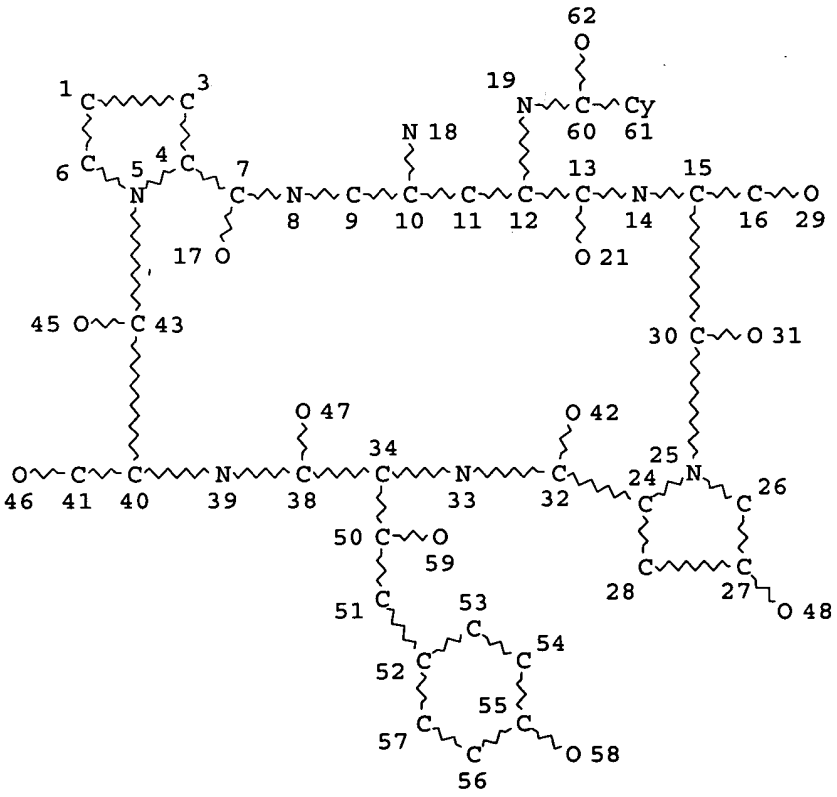

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NSPEC   IS RC     AT  18
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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NUMBER OF NODES IS  53

STEREO ATTRIBUTES: NONE
L3            55 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED     97 ITERATIONS                          55 ANSWERS
SEARCH TIME: 00.00.01


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L2           3 S L1
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L4           0 S L3

     FILE 'HCAPLUS' ENTERED AT 14:22:43 ON 30 NOV 2004
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L6           3 S L5 AND (CORBIER ? OR FAUVEAU ? OR PIETRE ? OR DISCHAMP ? OR S
L7           1 S L5 AND AVENTI?/PA,CS
L8           1 S L5 AND (US2002-009407# OR WO2000-FR1569 OR FR99-7252)/AP,PRN
L9           2 S L7,L8
L10          5 S L5-L9

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L11          2 S L3

     FILE 'REGISTRY' ENTERED AT 14:25:36 ON 30 NOV 2004

=> fil uspatfull
FILE 'USPATFULL' ENTERED AT 14:25:43 ON 30 NOV 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 30 Nov 2004 (20041130/PD)
FILE LAST UPDATED: 30 Nov 2004 (20041130/ED)
HIGHEST GRANTED PATENT NUMBER: US6826778
HIGHEST APPLICATION PUBLICATION NUMBER: US2004237163
CA INDEXING IS CURRENT THROUGH 30 Nov 2004 (20041130/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Nov 2004 (20041130/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2004
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2004

>>>  USPAT2 is now available.  USPATFULL contains full text of the     <<<
>>>  original, i.e., the earliest published granted patents or         <<<
>>>  applications.  USPAT2 contains full text of the latest US         <<<
>>>  publications, starting in 2001, for the inventions covered in     <<<
>>>  USPATFULL.  A USPATFULL record contains not only the original     <<<
>>>  published document but also a list of any subsequent              <<<
>>>  publications.  The publication number, patent kind code, and      <<<
>>>  publication date for all the US publications for an invention     <<<
>>>  are displayed in the PI (Patent Information) field of USPATFULL   <<<
>>>  records and may be searched in standard search fields, e.g., /PN, <<<
>>>  /PK, etc.                                                         <<<

>>>  USPATFULL and USPAT2 can be accessed and searched together        <<<
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>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

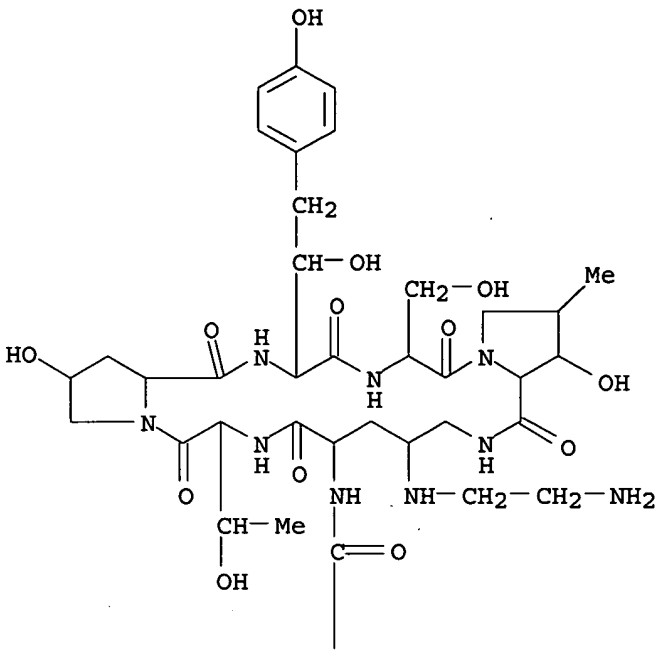
=> d l11 bib abs hitrn fhitstr tot

L11 ANSWER 1 OF 2 USPATFULL on STN
AN 2004:95283 USPATFULL
TI Echinocandin derivatives, their method of preparation and their application as anti-fungal agents
IN Courtin, Olivier, Paris, FRANCE
Fauveau, Patrick, Livry Gargan, FRANCE
Markus, Astrid, Liederbach, GERMANY, FEDERAL REPUBLIC OF
Melon Manguer, Dominique, Montreuil, FRANCE
Michel, Jean-Marc, Compiegne, FRANCE
Schio, Laurent, Bondy, FRANCE
PA Aventis Pharma S.A. (non-U.S. corporation)
PI US 2004072737 A1 20040415
AI US 2003-666072 A1 20030919 (10)
RLI Division of Ser. No. US 2000-581451, filed on 24 Jul 2000, GRANTED, Pat. No. US 6677429 A 371 of International Ser. No. WO 1998-FR2671, filed on 9 Dec 1998, UNKNOWN
PRAI FR 1997-15628 19971210
FR 1998-13361 19981026
DT Utility
FS APPLICATION
LREP Charles A. Muserlian, c/o Muserlian, Lucas and Mercanti, 600 Third Avenue, New York, NY, 10016
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 733
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel compounds of the formula ##STR1##

wherein the substituents are defined in the specification which are useful intermediates in the process to obtain compounds of Formula I which are useful as anti-fungal agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **227472-48-2P 227472-49-3P 227472-50-6P**
227472-51-7P
(preparation of echinocandin derivs. as antifungal agents)
IT **227472-48-2P**
(preparation of echinocandin derivs. as antifungal agents)
RN 227472-48-2 USPATFULL
CN Deoxymulundocandin, 1-[4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)

PAGE 1-A



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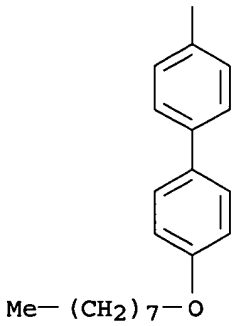
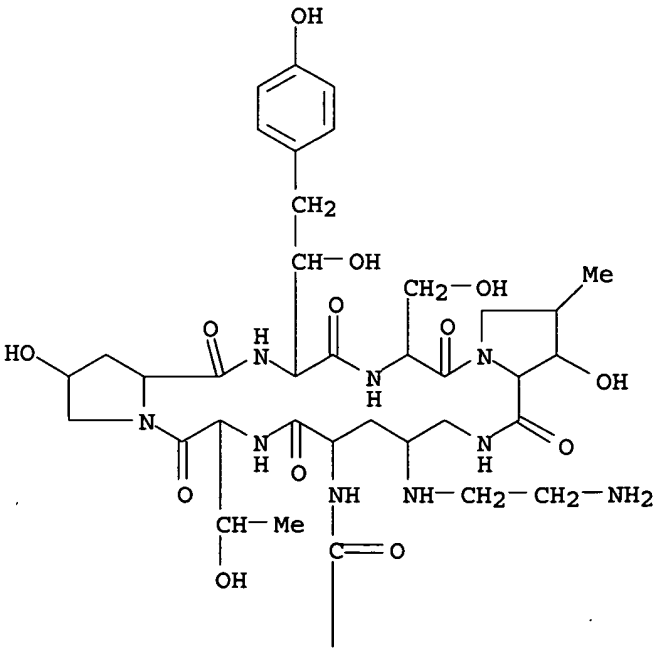


L11 ANSWER 2 OF 2 USPATFULL on STN
AN 2004:9645 USPATFULL
TI Echinocandin derivatives, preparation method and application as anti-fungal agents
IN Courtin, Olivier, Paris, FRANCE
Fauveau, Patrick, Livry Gargan, FRANCE
Markus, Astrid, Liederbach, GERMANY, FEDERAL REPUBLIC OF
Melon Manguer, Dominique, Montreuil, FRANCE
Michel, Jean-Marc, Compiegne, FRANCE
Schio, Laurent, Bondy, FRANCE
PA Aventis Pharma S.A., FRANCE (non-U.S. corporation)
PI US 6677429 B1 20040113
WO 9929716 19990617
AI US 2000-581451 20000724 (9)
WO 1998-FR2671 19981209
PRAI FR 1997-15628 19971210

FR 1998-13361 19981026
DT Utility
FS GRANTED
EXNAM Primary Examiner: Low, Christopher S. F.; Assistant Examiner: Lukton, David
LREP Muserlian, Lucas and Mercanti
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 685
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A compound of Formula I in which R.sub.1 and R.sub.2=H, OH, alkyl optionally substituted, or NR.sub.1 forms with the carbon bearing NR.sub.1R.sub.2 a double bond and R.sub.2 is Xra, X being O, NH or N-alkyl and Ra being H, alkyl optionally substituted; R=a chain containing up to 10 carbon atoms, optionally comprising one or several heteroatoms, one or several heterocycles; T=H, CH.sub.2, CH.sub.2CONH.sub.2, CH.sub.2C.tbd., (CH.sub.2).sub.2NH.sub.2; Y=H, OH, halogen; W=H, OH; Z=H or CH.sub.3; said products have antifungal properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **227472-48-2P 227472-49-3P 227472-50-6P 227472-51-7P**
(preparation of echinocandin derivs. as antifungal agents)
IT **227472-48-2P**
(preparation of echinocandin derivs. as antifungal agents)
RN 227472-48-2 USPATFULL
CN Deoxymulundocandin, 1-[4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)

PAGE 1-A



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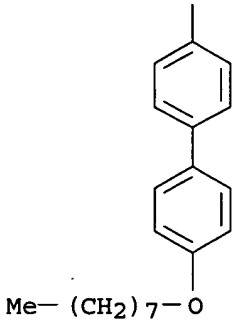


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FILE COVERS 1907 - 30 Nov 2004  VOL 141 ISS 23
FILE LAST UPDATED: 29 Nov 2004  (20041129/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


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L10  ANSWER 1 OF 5  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2003:475489  HCAPLUS
DN   139:53314
ED   Entered STN:  22 Jun 2003
TI   Procedure for preparation of echinocandin derivatives
IN   Boffelli, Philippe; Brouillard, Agnes; Colladant, Colette; Droux, Serge;
     Elter, Michel; Ferroud, Didier; Lemaitre, Guy; Paladino, Joseph
PA   Aventis Pharma S. A., Fr.
SO   Fr. Demande, 36 pp.
     CODEN: FRXXBL
DT   Patent
LA   French
IC   ICM  C07D487-14
     ICS  C07K007-56; A61K038-12; A61K031-4025; A61P031-10; C07D259-00;
          C07D207-12
CC   34-3 (Amino Acids, Peptides, and Proteins)
     Section cross-reference(s): 1
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI	FR 2833596	A1	20030620	FR 2001-16230	20011214
	WO 2003054001	A2	20030703	WO 2002-FR4308	20021212
	WO 2003054001	A3	20040122		
	W: AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VC, VN, YU, ZA				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1456229	A2	20040915	EP 2002-805374	20021212
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRAI	FR 2001-16230	A	20011214		
	WO 2002-FR4308	W	20021212		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
FR 2833596	ICM	C07D487-14
	ICS	C07K007-56; A61K038-12; A61K031-4025; A61P031-10; C07D259-00; C07D207-12
FR 2833596	ECLA	C07K007/56

OS CASREACT 139:53314; MARPAT 139:53314

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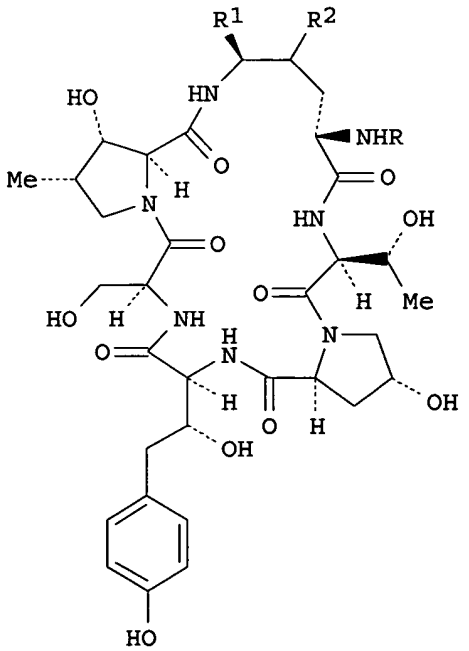


I

AB Echinocandin derivs. I [R is an acyl group R1CO, where R1 is a chain (linear, branched, or cyclic) containing ≥ 30 carbon atoms containing one or more heteroatoms or heterocycles; R2 is H; R3 is NHCH2CH2NH2] were prepared for use as pharmaceuticals, in particular the dihydrochloride salts. The synthesis method involves acylation of I (R = H, R2, R3 = OH) by R1CO2H or an active ester, dehydration of the product or its mono-O-alkyl derivative, and reductive amination of the oxo derivative with

ethylenediamine in the presence of NaBH3CN and a Lewis acid or NaBH(O2CR')3 (R'CO2H is Boc- or Cbz-L-Pro-OH). The product was obtained, mainly as one isomer, by using chromatog., crystallization, action of a base, and salification. In an example, the procedure was applied to the preparation of I (R1 = 4-octylbiphenyl, R2 is H; R3 is NHCH2CH2NH2) dihydrochloride.

ST echinocandin acyl aminoethylamino deriv prepn

IT Peptides, preparation
RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cyclic; preparation of echinocandin derivs.)

IT **545403-48-3P 545403-50-7P**
RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of echinocandin derivs.)

IT **310459-48-4P 545403-52-9P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of echinocandin derivs.)

IT **545403-51-8P**
RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of echinocandin derivs.)

IT **545403-55-2P**
RL: PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of echinocandin derivs.)

IT 107-15-3, Ethylenediamine, reactions 771-61-9, Pentafluorophenol 59748-18-4 227472-53-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of echinocandin derivs.)

IT 160430-95-5P 227472-54-0P 227472-55-1P 227472-60-8P 310459-54-2P 340020-20-4P 340131-54-6P 545403-46-1P 545403-47-2P 545403-49-4P 545403-53-0P 545403-54-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of echinocandin derivs.)

IT 10377-58-9, Magnesium iodide 40635-66-3, α Acetoxyisobutyryl chloride 41473-62-5 80934-48-1 546086-00-4
RL: RGT (Reagent); RACT (Reactant or reagent)
(preparation of echinocandin derivs.)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Aventis Pharma Gmbh; WO 0107468 A 2001 HCAPLUS

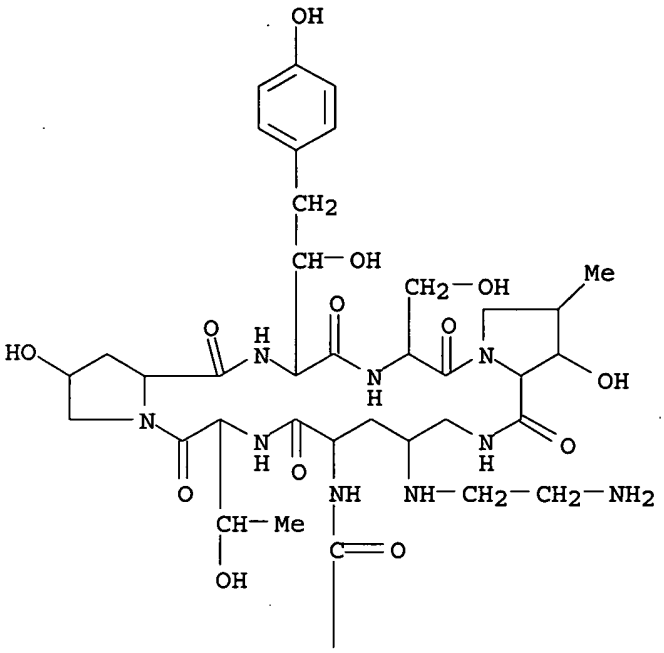
(2) Markus, A; WO 9929716 A 1999 HCAPLUS

IT **545403-48-3P**
RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of echinocandin derivs.)

RN 545403-48-3 HCAPLUS

CN Deoxymulundocandin, 1-[(4R)-4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)

PAGE 1-A



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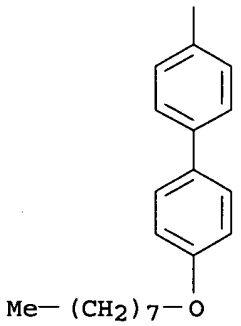

L10 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:881187 HCAPLUS
DN 134:17732
ED Entered STN: 15 Dec 2000
TI Novel echinocandin derivatives, method for preparing same and use as antifungal agents
IN **Corbier, Alain; Fauveau, Patrick; Pietre-Dischamp, Nathalie; Schio, Laurent; Vicat, Pascale**
PA Hoechst Marion Roussel, Fr.
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM C07K007-56
ICS A61K038-12; A61P031-10

CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 10, 63
FAN.CNT 1

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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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	FR 2794747	B1	20040416			
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	EP 1189932	A1	20020327	EP 2000-940456	20000608	<--
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	AT 240971	E	20030615	AT 2000-940456	20000608	<--
	PT 1189932	T	20030930	PT 2000-940456	20000608	<--
	ES 2194744	T3	20031201	ES 2000-940456	20000608	<--
PRAI	FR 1999-7252	A	19990609	<--		
	WO 2000-FR1569	W	20000608	<--		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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	ICS	A61K038-12; A61P031-10
FR 2794747	ECLA	C07K007/56 <--

OS CASREACT 134:17732; MARPAT 134:17732
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention concerns cyclic peptides I wherein: R = chain containing up to 30 carbon atoms, optionally containing one or several heteroatoms, one or several heterocycles; either R1 and R2 = H, OH, alkyl optionally substituted, or NR1 forms with the carbon bearing NR1R2 a double bond and R2 is XRa, X being O, NH or N-alkyl and Ra being H, alkyl optionally substituted; R3 = H, OH, CH3; R4 = H, OH; T = H, CH3, CH2CONH2, CH2CN, (CH2)2NH2; Y = H, OH, halogen, OSO3H; W = H, OH; Z = H or CH3. The products of formula I have antifungal properties. Thus, trans-1-[4-[(2-aminocyclo-hexyl)amino]-N2-[[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]phenyl]carbonyl]-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandin B trifluoroacetate was prepared and tested for its inhibition of glucan synthase of Candida albicans.

ST echinocandin cyclic peptide prepn antifungal glucan synthase inhibitor

IT Peptides, preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

IT Fungicides
(novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

IT 9027-19-4, Glucan synthase

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(Candida albicans; novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

IT **310459-08-6P 310459-11-1P 310459-20-2P**
310459-23-5P 310459-27-9P 310459-30-4P
310459-33-7P 310459-36-0P 310459-39-3P
310459-42-8P 310459-49-5P 310459-52-0P
310459-58-6P 310459-61-1P 310459-67-7P
310459-70-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

IT 15967-72-3, (S)-Propane-1,2-diamine 20439-47-8 21436-03-3
38734-69-9, Ethylenediamine diacetate 138626-63-8, Deoxymulundocandin
179165-34-5 310459-15-5 340130-90-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

IT 227472-53-9P 310459-13-3P 310459-17-7P 310459-44-0P 310459-46-2P
310459-54-2P 340131-54-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Fujisawa Pharmaceutical Co; EP 0644199 A 1995 HCAPLUS
(2) Lilly Co Eli; EP 0736541 A 1996 HCAPLUS
(3) Markus, A; WO 9929716 A 1999 HCAPLUS
(4) Merck & Co Inc; WO 9613272 A 1996 HCAPLUS
(5) Ohki, H; WO 9823637 A 1998 HCAPLUS

IT **310459-08-6P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(novel echinocandin derivs. method for preparing same and use as glucan synthase inhibitors and antifungal agents)

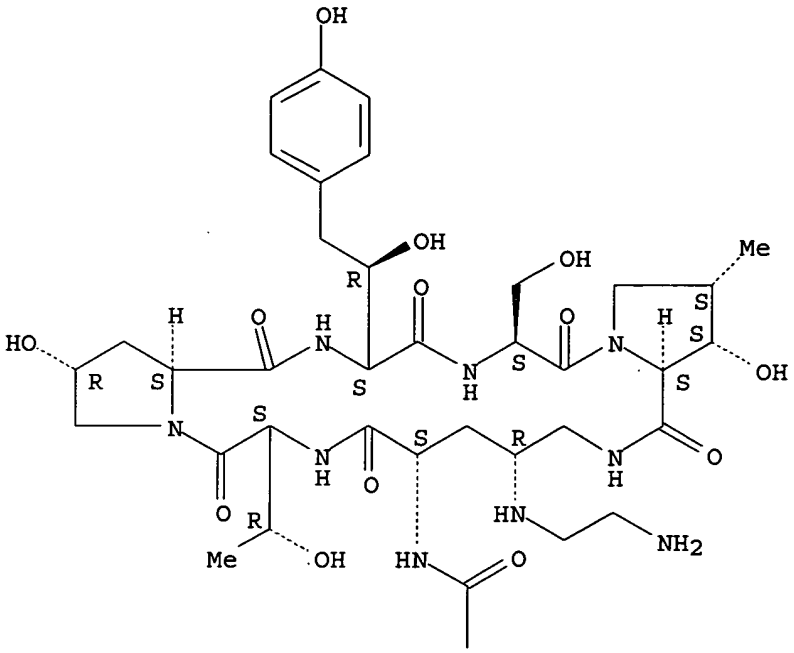
RN 310459-08-6 HCAPLUS
CN Deoxymulundocandin, 1-[(4R)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 310459-07-5
CMF C56 H74 N10 O15

Absolute stereochemistry.

PAGE 1-A



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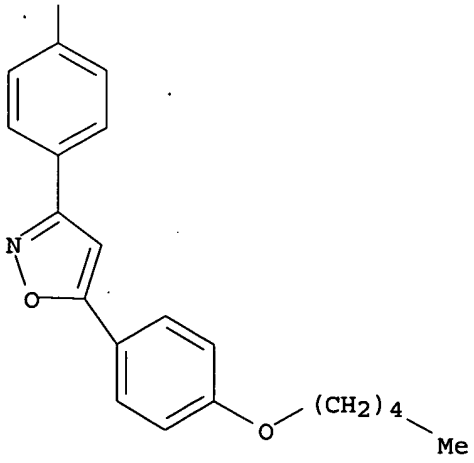

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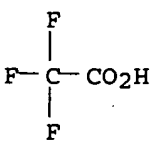
CRN 76-05-1
CMF C2 H F3 O2



L10 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:881186 HCAPLUS
DN 134:17731
ED Entered STN: 15 Dec 2000
TI Echinocandin derivatives, method for preparing same and application as glucan synthase inhibitors and antifungal agents
IN **Fauveau, Patrick**; Hawser, Stephen; Lebourg, Gilles; **Schio, Laurent**
PA Hoechst Marion Roussel, Fr.
SO PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM C07K007-56
ICS A61K038-12; A61P031-10
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 7, 10, 63
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000075177	A1	20001214	WO 2000-FR1568	20000608
	W: AE, AG, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2794746	A1	20001215	FR 1999-7251	19990609
	FR 2794746	B1	20021206		
	CA 2376025	AA	20001214	CA 2000-2376025	20000608
	EP 1189933	A1	20020327	EP 2000-942169	20000608
	EP 1189933	B1	20030409		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2003501441	T2	20030114	JP 2001-502458	20000608
	AT 236928	E	20030415	AT 2000-942169	20000608
	PT 1189933	T	20030829	PT 2000-942169	20000608
	ES 2192533	T3	20031016	ES 2000-942169	20000608
PRAI	FR 1999-7251	A	19990609		
	WO 2000-FR1568	W	20000608		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000075177	ICM	C07K007-56
	ICS	A61K038-12; A61P031-10
FR 2794746	ECLA	C07K007/56

OS CASREACT 134:17731; MARPAT 134:17731
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention concerns in all possible isomeric forms as well as their mixts., cyclic peptides I wherein: R represents a linear, branched or cyclic chain; either R1 represents H or CH3 and R2 represents cyclohexyl substituted by an amine, cyanoalkyl ; or R1 and R2 form with the nitrogen which bears them a cycle with 3, 4 or 5 carbons optionally substituted by an amine; R3 represents hydrogen, Me or hydroxyl; R4 represents hydrogen

or hydroxyl; T represents hydrogen, Me, CH2CONH2, CH2CN, a (CH2)2NH2 or (CH2)2Nalk+X- radical, X being halogen and alk an alkyl radical; Y represents hydrogen, hydroxyl, halogen or OSO3H; W represents H or OH; Z represents H, CH3. The compds. of formula I have antifungal properties. Thus,. Trans 1-[4-[(2-aminocyclohexyl)amino]-N2-[[4''-(pentyloxy)[1,1':4',1''terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandine B trifluoroacetate was prepared and tested for its inhibition of glucan synthase of Candida albicans and of the enzyme prepared from Aspergillus fumigatus.

ST echinocandin cyclic peptide prepn antifungal glucan synthase inhibitor

IT Peptides, preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

IT Aspergillus fumigatus
Fungicides
(echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

IT 9027-19-4, Glucan synthase
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(Candida albicans; echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

IT **310461-86-0P 310461-89-3P 310461-95-1P**
310461-97-3P 310461-99-5P 310462-01-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

IT 538-75-0, N,N'-Dicyclohexylcarbodiimide 771-61-9, 2,3,4,5,6-Pentafluorophenol 5805-57-2, 2-(Aminomethyl)benzimidazole 19777-66-3 20439-47-8 59748-18-4 138626-63-8, Deoxymulundocandin 227472-60-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

IT 160430-95-5P 227472-53-9P 227472-54-0P 227472-55-1P 340020-20-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Markus, A; WO 9929716 A 1999 HCAPLUS

(2) Merck & Co Inc; WO 9613272 A 1996 HCAPLUS

IT **310461-86-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(echinocandin derivs., method for preparing same and application as glucan synthase inhibitors and antifungal agents)

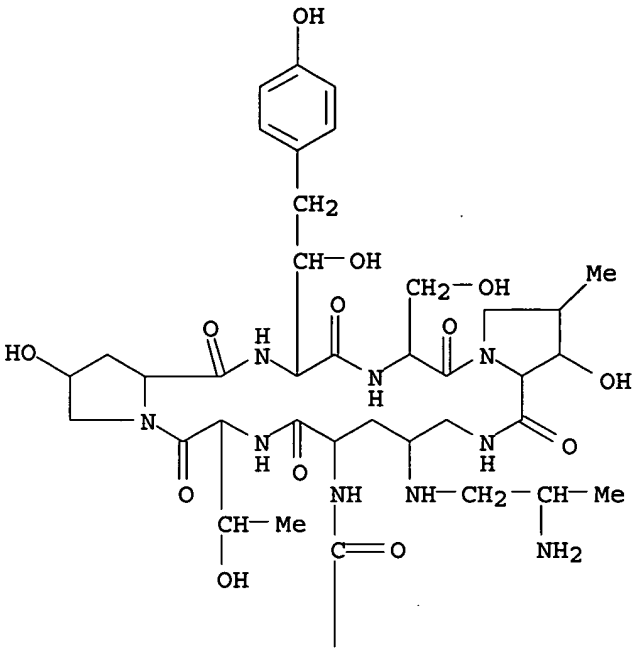
RN 310461-86-0 HCAPLUS

CN Deoxymulundocandin, 1-[(4R)-4-[[(2S)-2-aminopropyl]amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 310461-85-9
CMF C57 H81 N9 O14

PAGE 1-A



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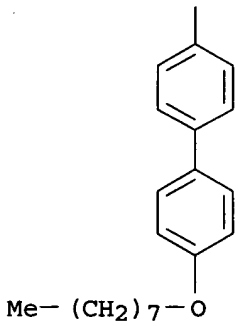
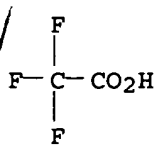


CM 2

CRN 76-05-1
CMF C2 H F3 O2



L10 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:290965 HCAPLUS

DN 132:308664
ED Entered STN: 05 May 2000
TI Photochemical process for conversion of the 1,2-diol moiety of an echinocandin compound to the 1-deoxy-2-keto analog
IN Hitchcock, Stephen Andrew; Gregory, George Stuart
PA Eli Lilly and Company, USA
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07B041-06
ICS C07K007-56
CC 34-3 (Amino Acids, Peptides, and Proteins)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000024694	A1	20000504	WO 1999-US25301	19991027

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1998-105936P P 19981028
CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000024694	ICM	C07B041-06
	ICS	C07K007-56

OS CASREACT 132:308664; MARPAT 132:308664
AB A method for converting an epoxy or hydroxy moiety to a 1-deoxy-2-keto moiety is described which includes: (1) reacting a compound having an epoxy or hydroxy moiety with a thiophenol and (2) irradiating the 1-phenylthio-2-hydroxy moiety with UV or near-UV radiation to convert the 1-phenylsulfide-2-hydroxy moiety to a 1-deoxy-2-keto moiety. The process was used to modify the cyclic peptide ring system of an echinocandin-type compound containing a 1,2-diol moiety to produce new keto analogs.
ST echinocandin diol conversion deoxy keto analog; keto analog echinocandin prepn
IT Peptides, preparation
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; photochem. process for conversion of diol moiety of an echinocandin compound to 1-deoxy-2-keto analog)
IT 266317-26-4P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(photochem. process for conversion of diol moiety of an echinocandin compound to 1-deoxy-2-keto analog)
IT **266317-27-5P** 266317-28-6P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(photochem. process for conversion of diol moiety of an echinocandin compound to 1-deoxy-2-keto analog)
IT 119-26-6, 2,4-Dinitrophenylhydrazine 1099-45-2, Ethyl triphenylphosphoranylideneacetate 37972-89-7, Benzenethiol, 2-iodo- 166663-25-8
RL: RCT (Reactant); RACT (Reactant or reagent)

(photochem. process for conversion of diol moiety of an echinocandin compound to 1-deoxy-2-keto analog)

IT 266317-25-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(photochem. process for conversion of diol moiety of an echinocandin compound to 1-deoxy-2-keto analog)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Hoechst Marion Roussel; WO 9929716 A 1999 HCAPLUS
(2) Merck; EP 0448353 A 1991 HCAPLUS
(3) Merck; WO 9624613 A 1996 HCAPLUS
(4) Piva, O; TETRAHEDRON LETTERS 1992, V33(18), P2459 HCAPLUS

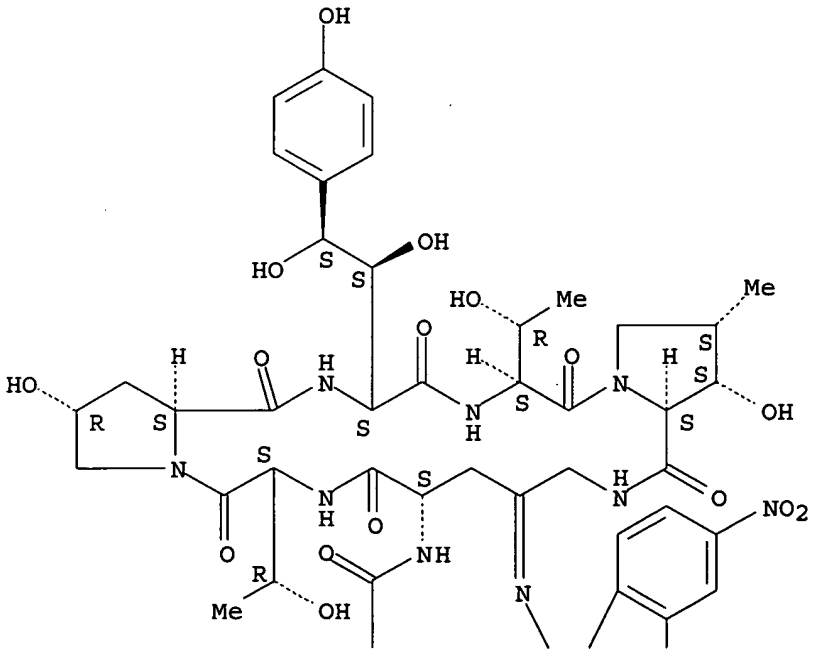
IT **266317-27-5P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(photochem. process for conversion of diol moiety of an echinocandin compound to 1-deoxy-2-keto analog)

RN 266317-27-5 HCAPLUS

CN Echinocandin B, 1-[4-[(2,4-dinitrophenyl)hydrazono]-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



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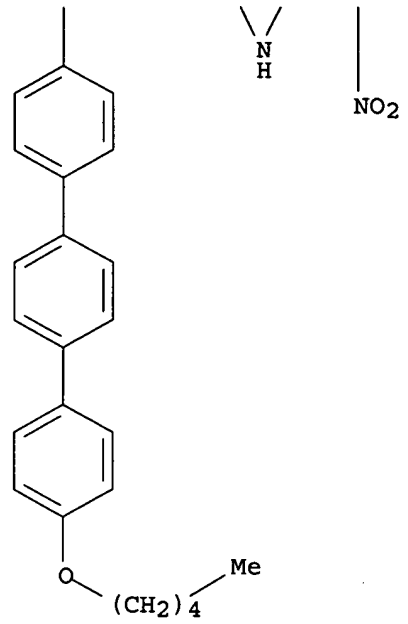


L10 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:390418 HCAPLUS
DN 131:45105
ED Entered STN: 24 Jun 1999
TI Preparation of Echinocandin B derivatives as antifungal agents
IN Courtin, Olivier; **Fauveau, Patrick**; Markus, Astrid; Melon Manguer, Dominique; Michel, Jean-Marc; **Schio, Laurent**
PA Hoechst Marion Roussel, Fr.
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM C07K007-56
ICS A61K038-12
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9929716	A1	19990617	WO 1998-FR2671	19981209
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2772028	A1	19990611	FR 1997-15628	19971210
FR 2772028	B1	20000204		
FR 2784993	A1	20000428	FR 1998-13361	19981026
FR 2784993	B1	20021031		
ZA 9811158	A	19991207	ZA 1998-11158	19981207
CA 2311295	AA	19990617	CA 1998-2311295	19981209
AU 9915659	A1	19990628	AU 1999-15659	19981209
AU 755033	B2	20021128		
EP 1036090	A1	20000920	EP 1998-959935	19981209

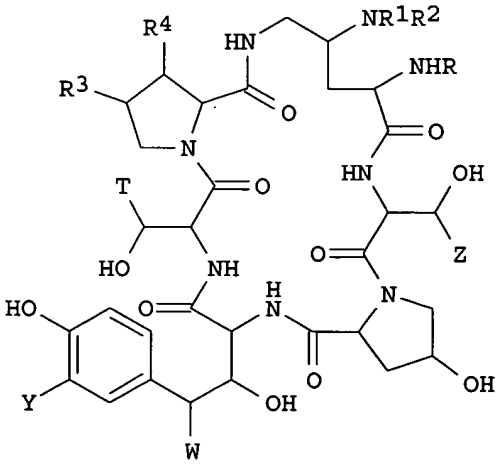
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
	BR 9813531	A	20001010	BR 1998-13531	19981209
	TR 200001655	T2	20001121	TR 2000-200001655	19981209
	EE 200000336	A	20010815	EE 2000-200000336	19981209
	JP 2001525421	T2	20011211	JP 2000-524307	19981209
	NZ 504614	A	20021220	NZ 1998-504614	19981209
	TW 446541	B	20010721	TW 1998-87121185	19990122
	BG 104494	A	20010131	BG 2000-104494	20000531
	NO 2000002959	A	20000809	NO 2000-2959	20000609
	HR 2000000384	A1	20001031	HR 2000-384	20000609
	US 6677429	B1	20040113	US 2000-581451	20000724
	US 2004072737	A1	20040415	US 2003-666072	20030919
PRAI	FR 1997-15628	A	19971210		
	FR 1998-13361	A	19981026		
	WO 1998-FR2671	W	19981209		
	US 2000-581451	A3	20000724		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 9929716	ICM	C07K007-56
	ICS	A61K038-12
WO 9929716	ECLA	C07K007/56
FR 2772028	ECLA	C07K007/56
FR 2784993	ECLA	C07K007/56
US 6677429	ECLA	C07K007/56
US 2004072737	ECLA	C07K007/56

OS MARPAT 131:45105

GI



I

AB The title compds. I (R1, R2 = H, OH, (substituted) alkyl, NR1 forms with the carbon bearing NR1R2 a double bond and R2 = MP; M = O, NH, alkylamino; P = H, (substituted) alkyl; R3 = H, OH, CH3; R4 = H, OH; R = linear or branched chain up to 30 carbon atoms optionally substituted with heteroatoms, aryls or heterocycles; T = H, CH3, CH2CONH2, CH2C.tplbond.N, (CH2)2NH2; Y = H, OH, halogen; W = H, OH; Z = H, CH3) were prepared as antifungal agents (no data given). For example, 1-[(4R,5R)-4,5-dihydroxy-N2-(12-methyltetradecanoyl)-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandin B was treated with trimethylsilyl iodide and sodium thiosulfate in succession to give the intermediate

1-[N2-(12-methyltetradecanoyl)-4-oxo-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandin B in 62% yield. This intermediate, when treated with 2-(dimethylamino)ethylamine, gave the final product I [NR1R2 = NHCH2CH2NMe2, R = CO(CH2)10CH(CH3)CH2CH3, Z = CH3, W = Y = T = H, R3 = CH3, R4 = OH] as a mixture of isomers, which were, then, separated via HPLC.

ST echinocandin B deriv prepn antifungal agent

IT Fungicides
(preparation of echinocandin derivs. as antifungal agents)

IT 227472-27-7P 227472-67-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(preparation of echinocandin derivs. as antifungal agents)

IT 227472-29-9P 227472-31-3P 227472-33-5P 227472-34-6P 227472-35-7P
227472-37-9P 227472-38-0P 227472-39-1P 227472-40-4P 227472-41-5P
227472-42-6P 227472-43-7P 227472-45-9P 227472-47-1P
227472-48-2P 227472-49-3P 227472-50-6P
227472-51-7P 227472-62-0P 227472-63-1P 227472-64-2P
227472-66-4P 227472-68-6P 227472-70-0P 227472-72-2P 227472-73-3P
227472-74-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of echinocandin derivs. as antifungal agents)

IT 107-15-3, 1,2-Ethanediamine, reactions 108-00-9, 2-(Dimethylamino)ethylamine 109-76-2, 1,3-Diaminopropane 1937-19-5
3279-95-6 55959-84-7 59748-18-4 65920-18-5 227472-53-9
227472-57-3 227614-36-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of echinocandin derivs. as antifungal agents)

IT 138626-63-8P, Deoxymulundocandin 160430-95-5P 227472-52-8P
227472-54-0P 227472-55-1P 227472-56-2P 227472-58-4P 227472-59-5P
227472-60-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of echinocandin derivs. as antifungal agents)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

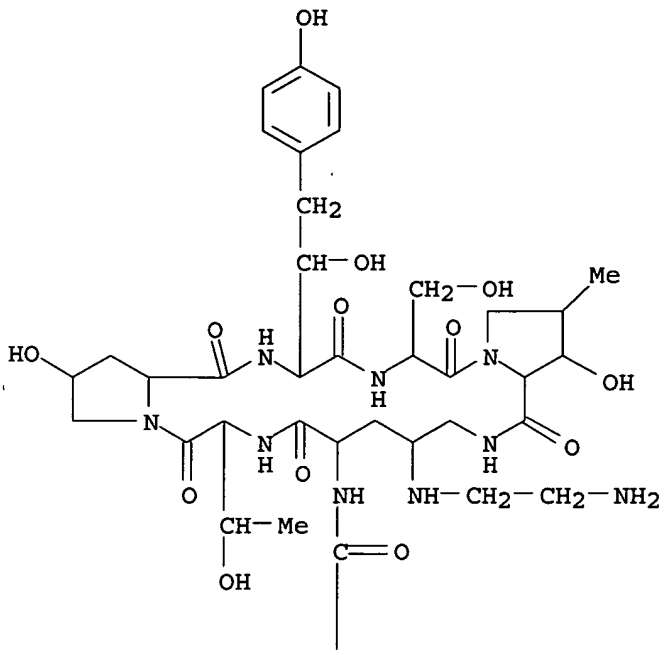
(1) Balkovec, J; WO 9608267 A 1991 HCAPLUS
(2) Balkovec, J; WO 9613272 A 1996 HCAPLUS
(3) Bouffard, F; WO 9622784 A 1996 HCAPLUS
(4) Lilly Co E; EP 0561639 A 1993 HCAPLUS
(5) Lilly Co E; EP 0736541 A 1996 HCAPLUS
(6) Merck & Co Inc; GB 2241955 A 1991 HCAPLUS

IT **227472-48-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of echinocandin derivs. as antifungal agents)

RN 227472-48-2 HCAPLUS

CN Deoxymulundocandin, 1-[4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)

PAGE 1-A



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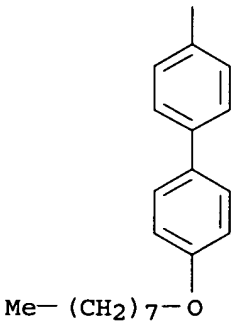

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FILE 'REGISTRY' ENTERED AT 14:26:06 ON 30 NOV 2004
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STRUCTURE FILE UPDATES:   28 NOV 2004  HIGHEST RN 790189-55-8
DICTIONARY FILE UPDATES:  28 NOV 2004  HIGHEST RN 790189-55-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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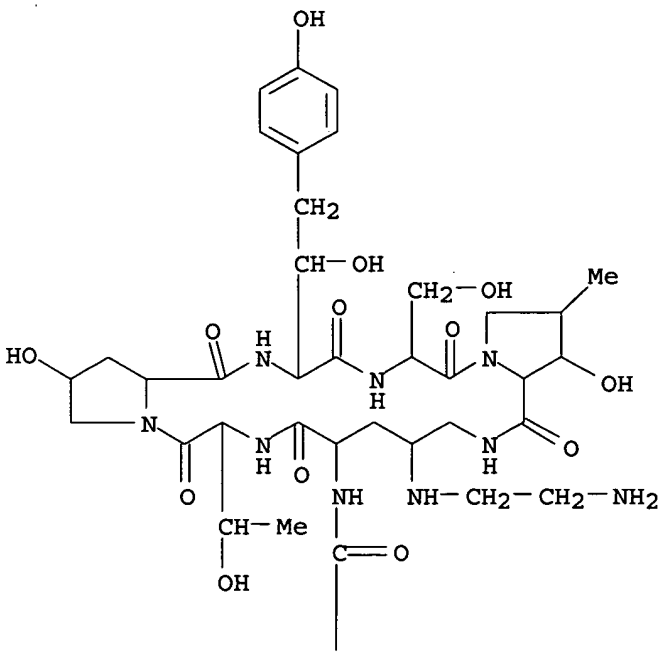
L3 ANSWER 1 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 754974-66-8 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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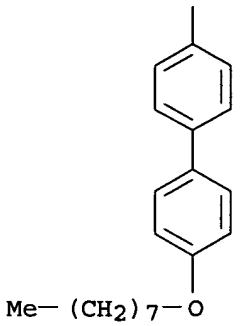

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RN 545403-55-2 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]-, dihydrochloride (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14 . 2 Cl H
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
CRN (754974-66-8)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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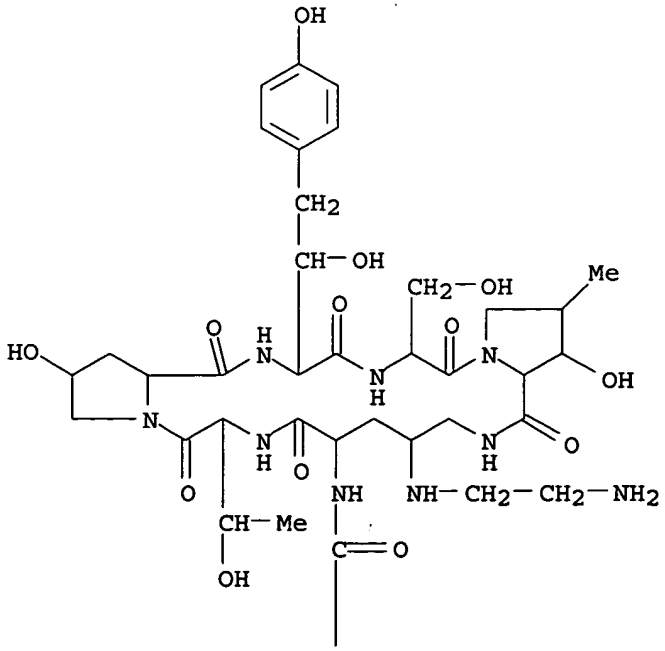

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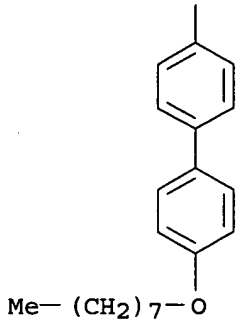

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:53314

L3 ANSWER 3 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 545403-52-9 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
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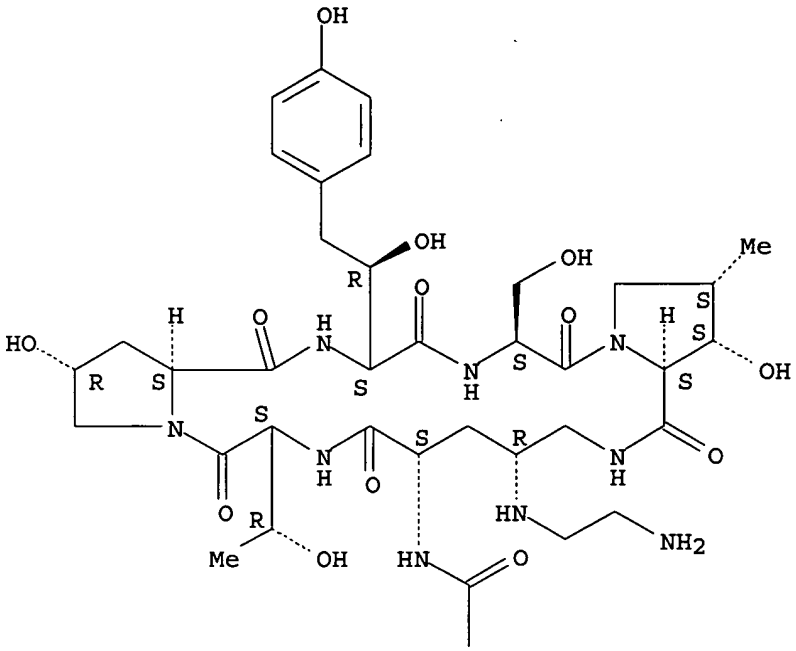
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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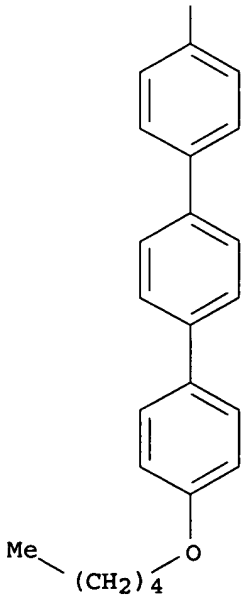

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:53314

L3 ANSWER 4 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14 . 2 Cl H
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LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
CRN (545403-48-3)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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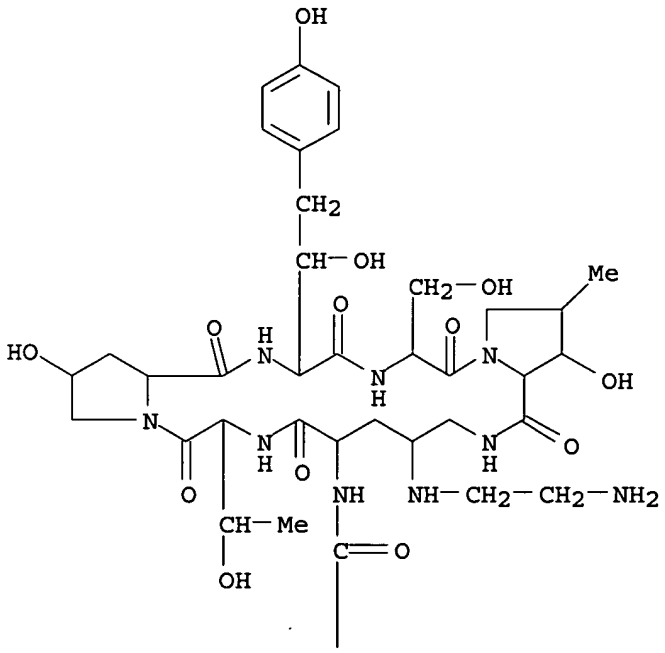

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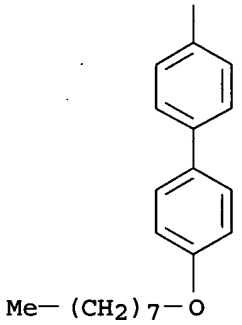

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:53314

L3 ANSWER 5 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 545403-50-7 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14 . 2 C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

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CRN 545403-48-3
CMF C56 H79 N9 O14

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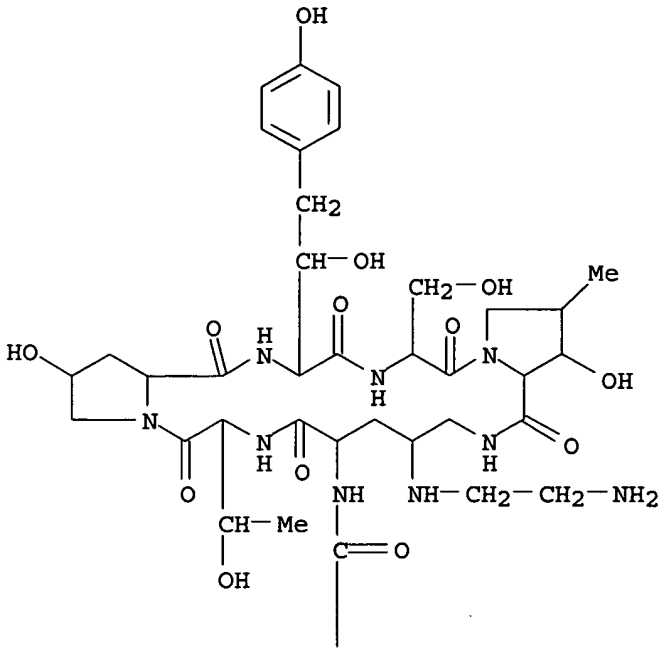

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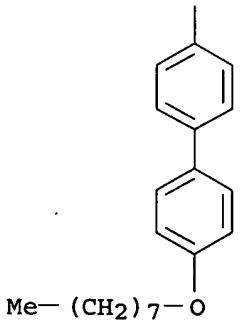

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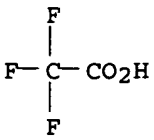

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:53314

L3 ANSWER 6 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 545403-48-3 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

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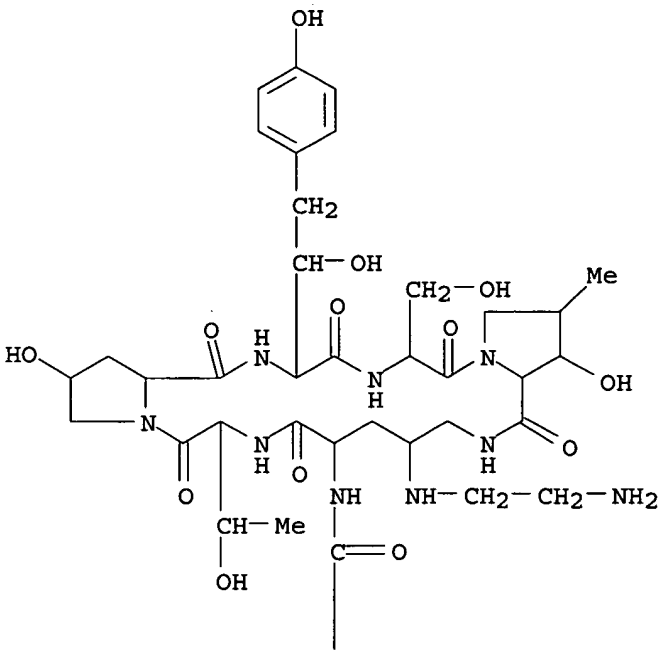

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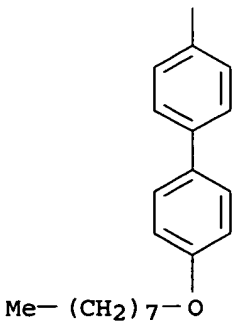

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:53314

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RN 310462-01-2 REGISTRY
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SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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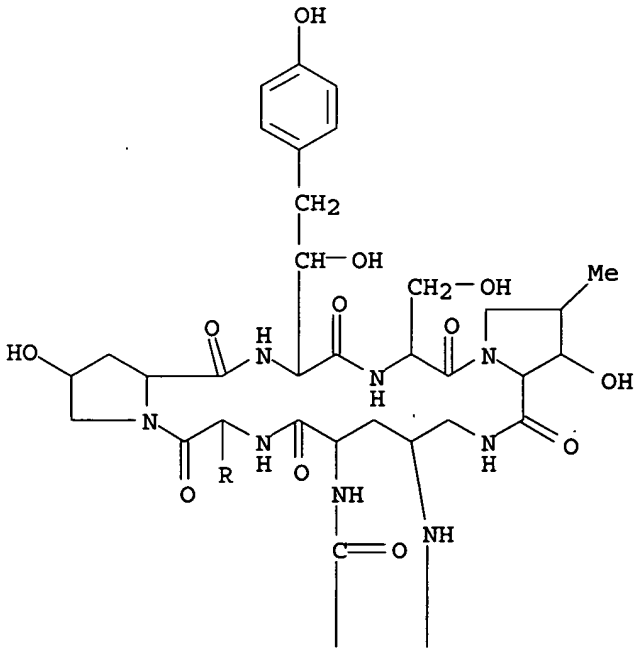

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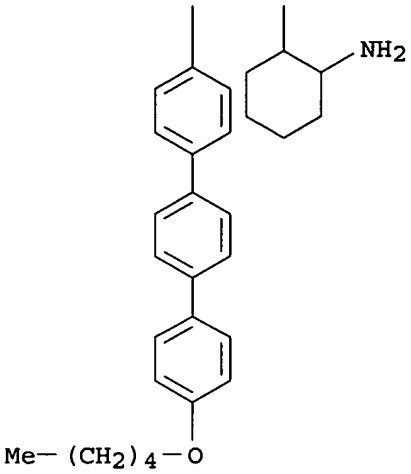

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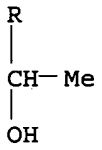

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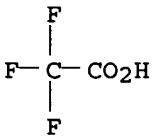

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17731

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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C63 H83 N9 O14
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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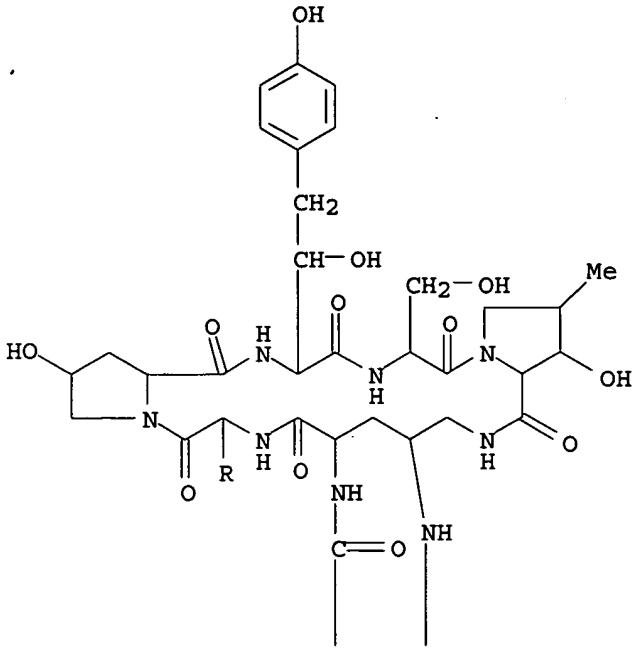

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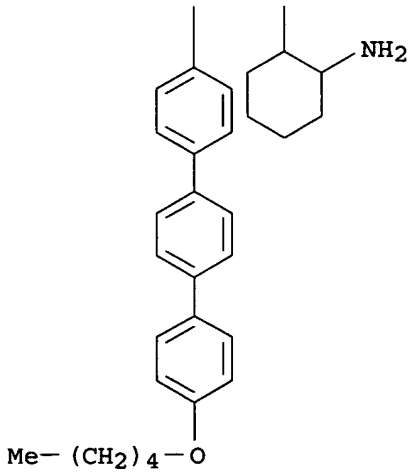

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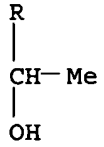

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RN 310461-99-5 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C63 H83 N9 O14 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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CMF C63 H83 N9 O14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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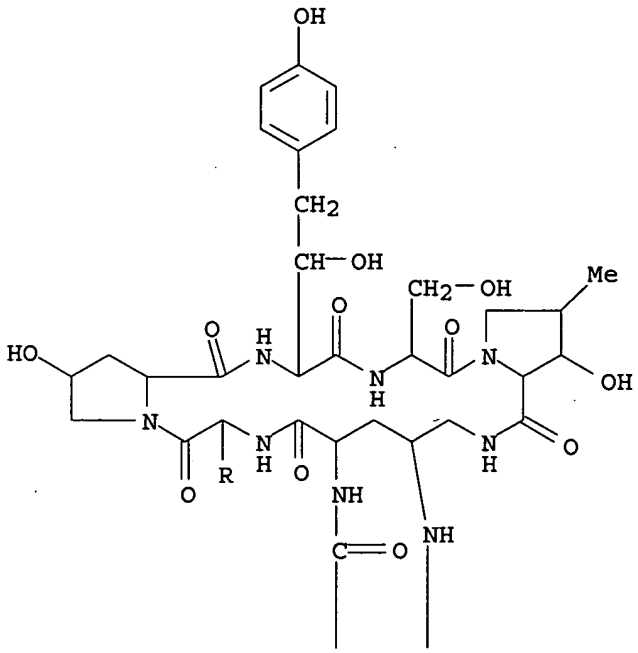

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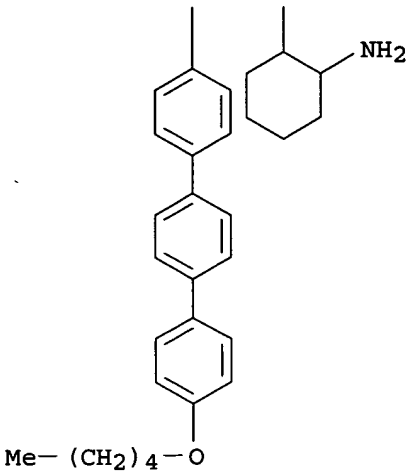

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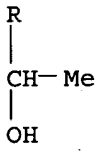

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CRN 76-05-1
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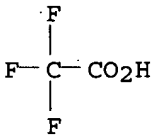

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17731

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RN 310461-98-4 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C63 H83 N9 O14
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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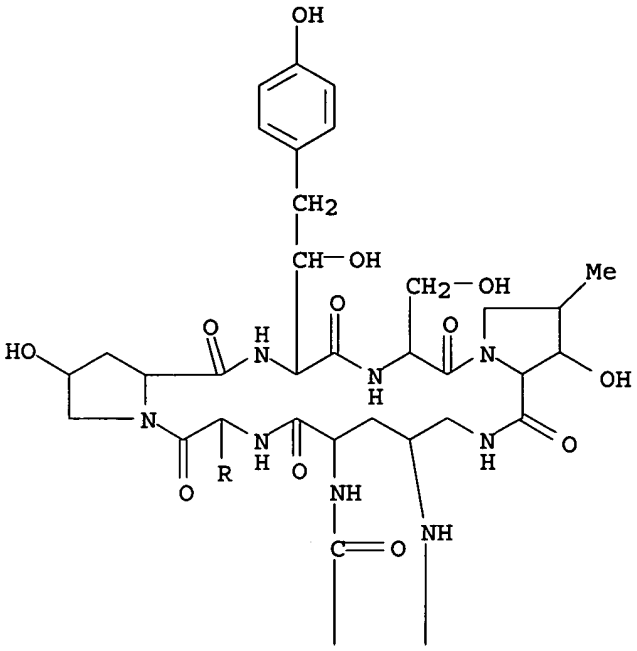

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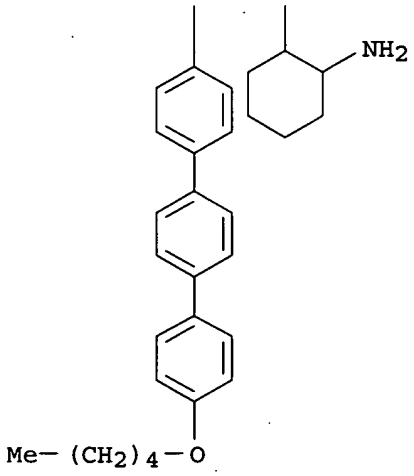

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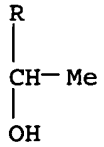

L3 ANSWER 11 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310461-97-3 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C65 H78 N10 O14 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310461-96-2
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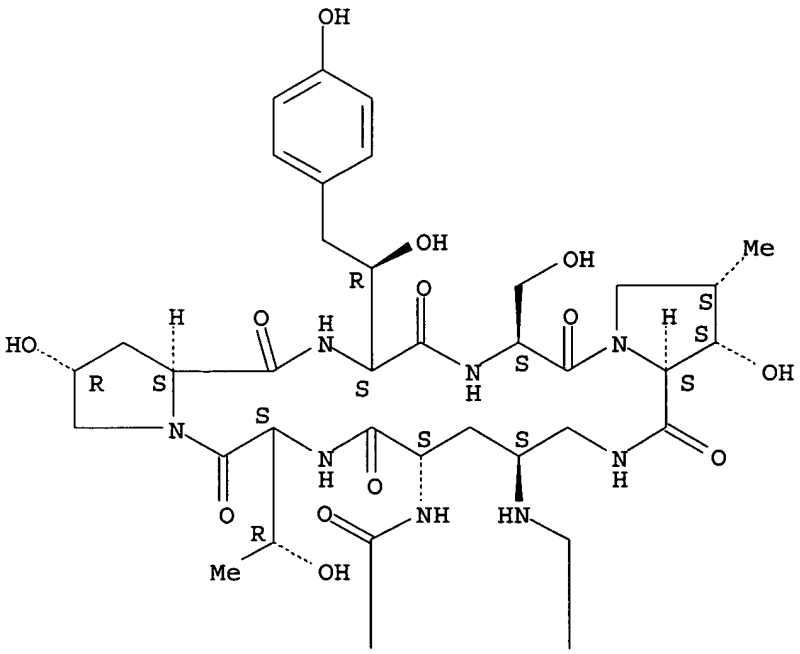
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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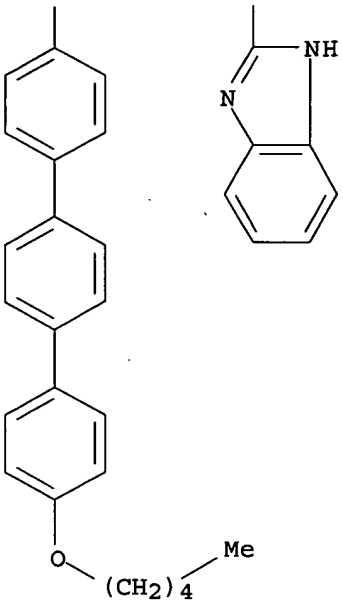

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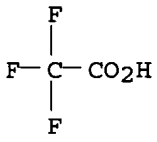

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17731

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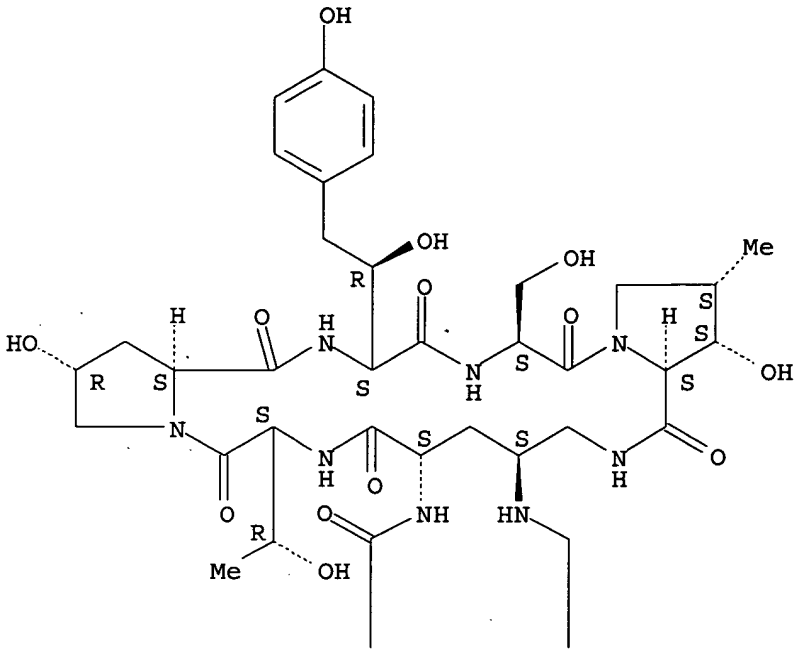
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C65 H78 N10 O14
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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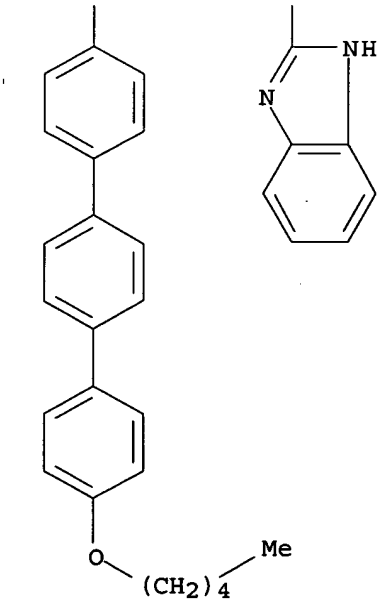

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RN 310461-95-1 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C65 H78 N10 O14 . x C2 H F3 O2

SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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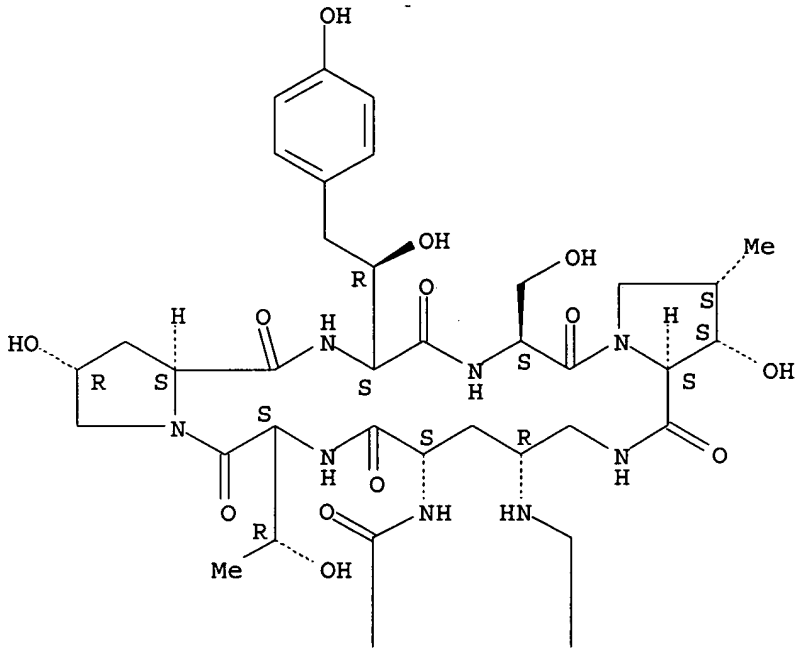
CRN 310461-94-0
CMF C65 H78 N10 O14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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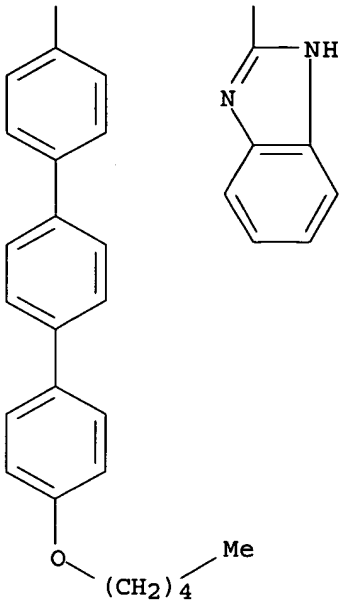

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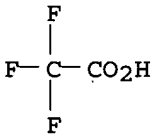

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17731

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RN 310461-94-0 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[(1H-benzimidazol-1-ylmethyl)amino]-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C65 H78 N10 O14
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

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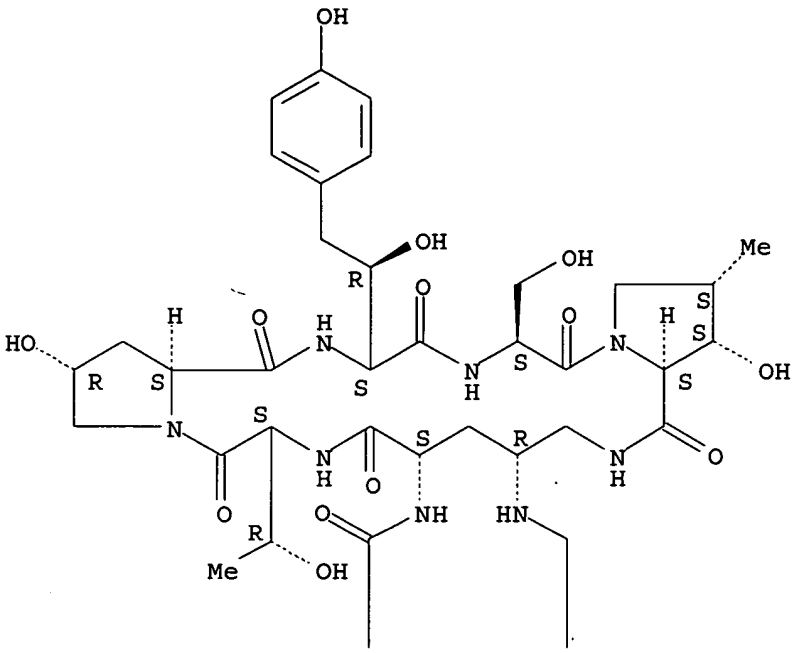

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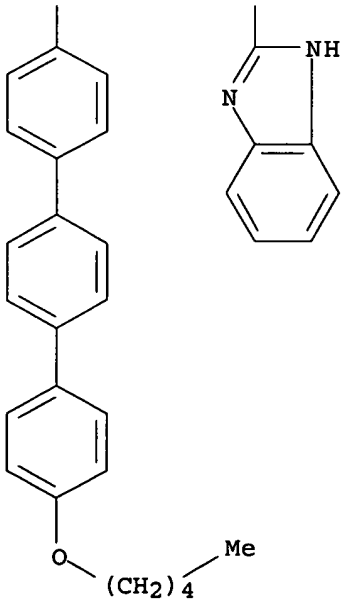

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FS PROTEIN SEQUENCE; STEREOSEARCH
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SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310461-88-2
CMF C57 H81 N9 O14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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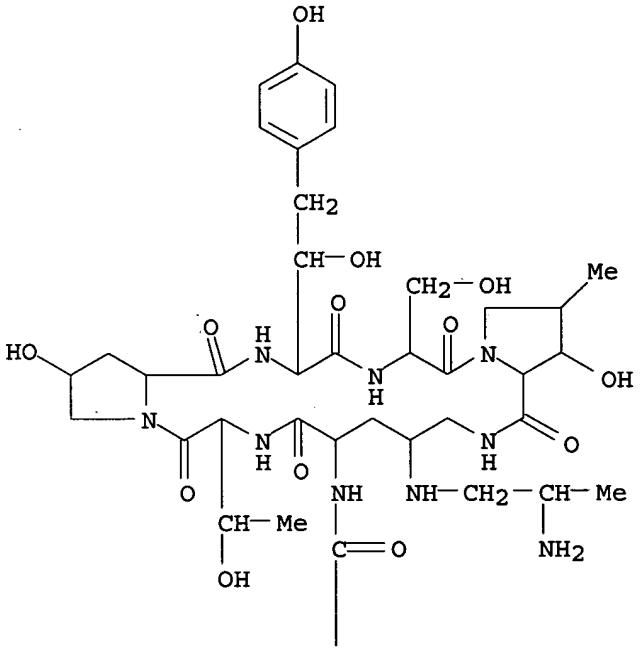

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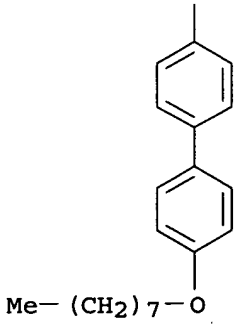

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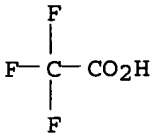

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17731

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MF C57 H81 N9 O14
CI COM
SR CA

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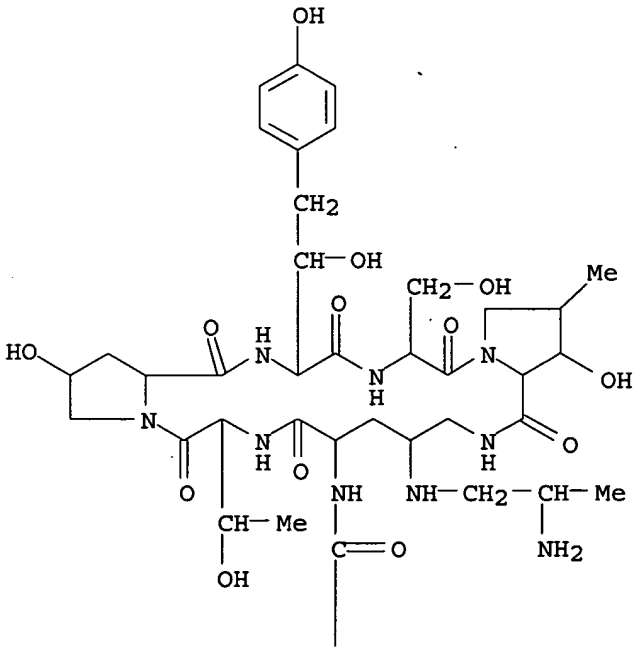

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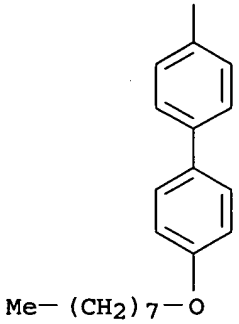

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FS PROTEIN SEQUENCE; STEREOSEARCH
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SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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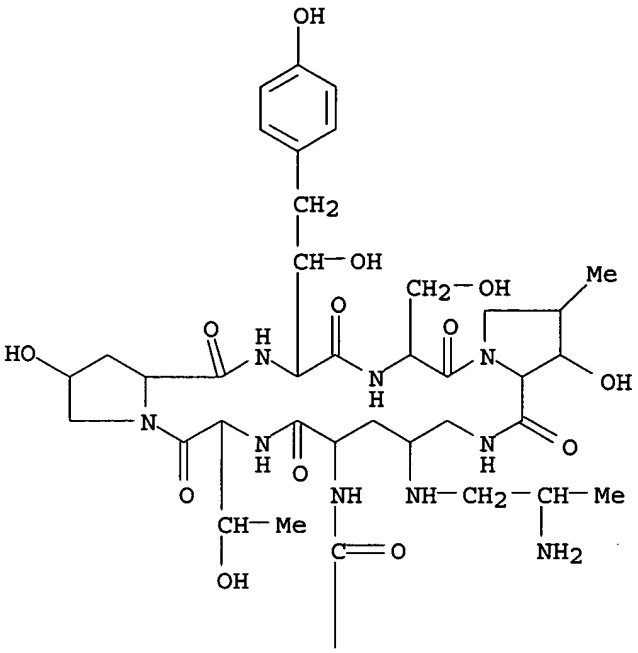

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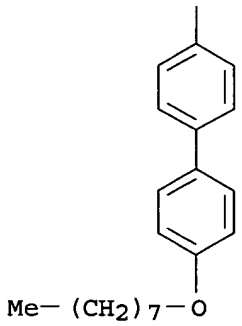

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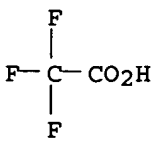

1 REFERENCES IN FILE CA (1907 TO DATE)
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CN Deoxymulundocandin, 1-[(4R)-4-[[(2S)-2-aminopropyl]amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
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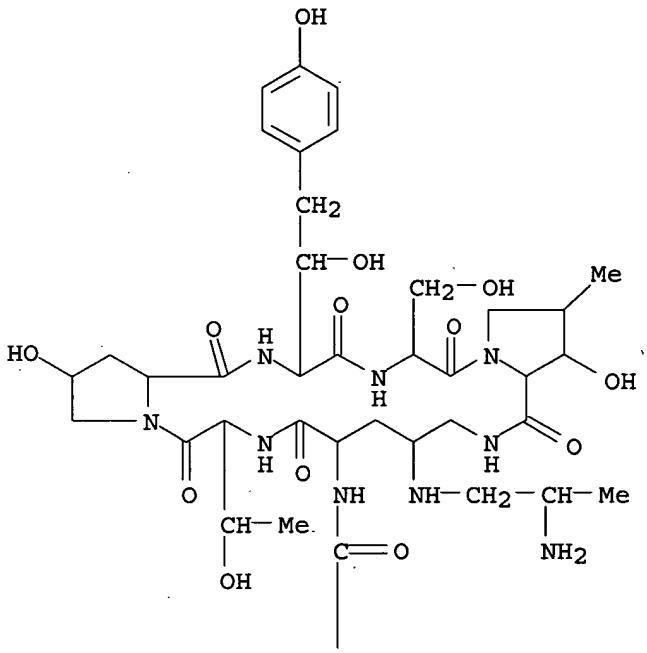

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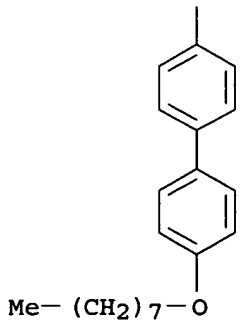

L3 ANSWER 19 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-70-2 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH
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LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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CMF C59 H79 N11 O14 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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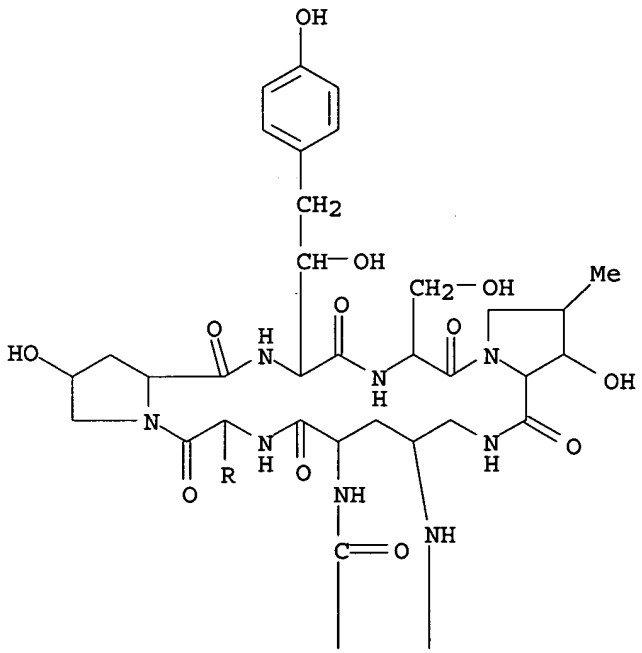

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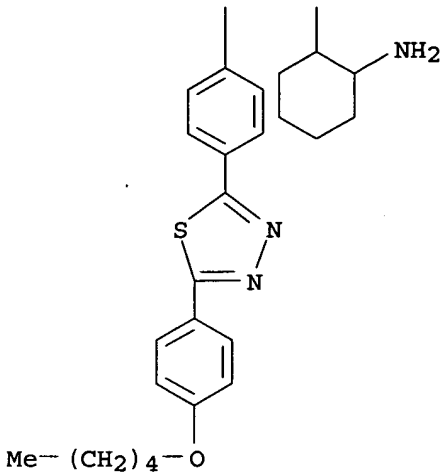

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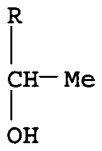

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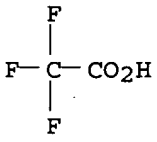

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

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RELATED SEQUENCES AVAILABLE WITH SEQLINK

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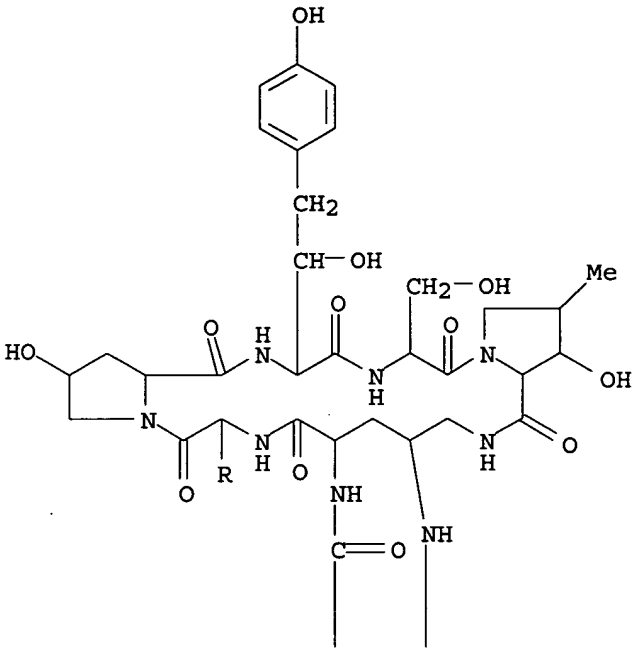

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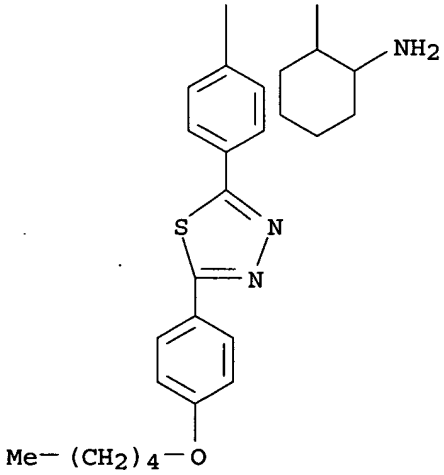

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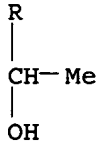

L3 ANSWER 21 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-67-7 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O14 S . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310459-66-6
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RELATED SEQUENCES AVAILABLE WITH SEQLINK

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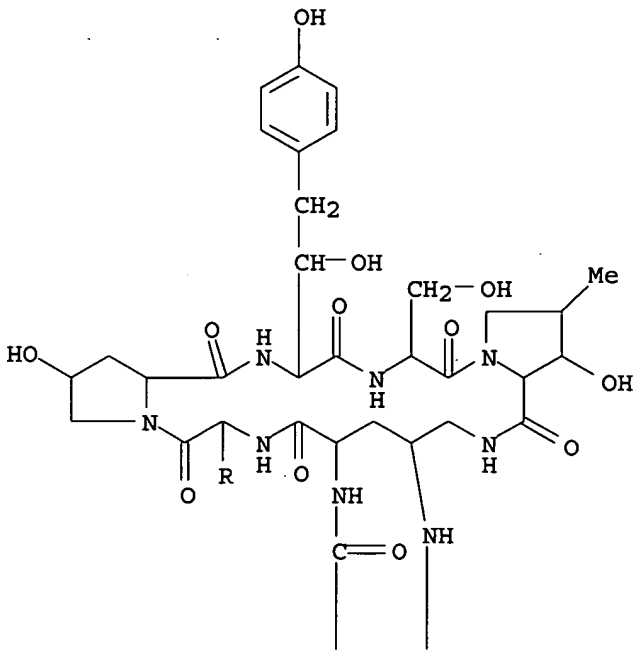

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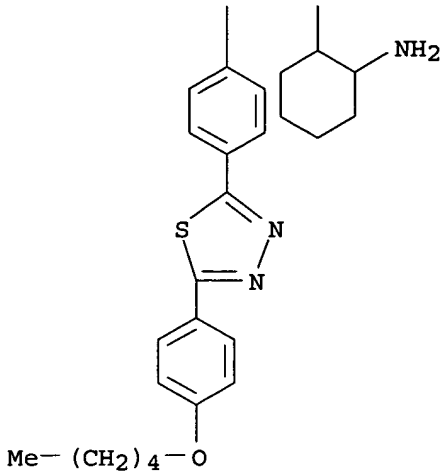

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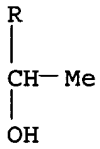

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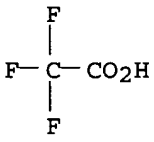

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

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RN 310459-66-6 REGISTRY
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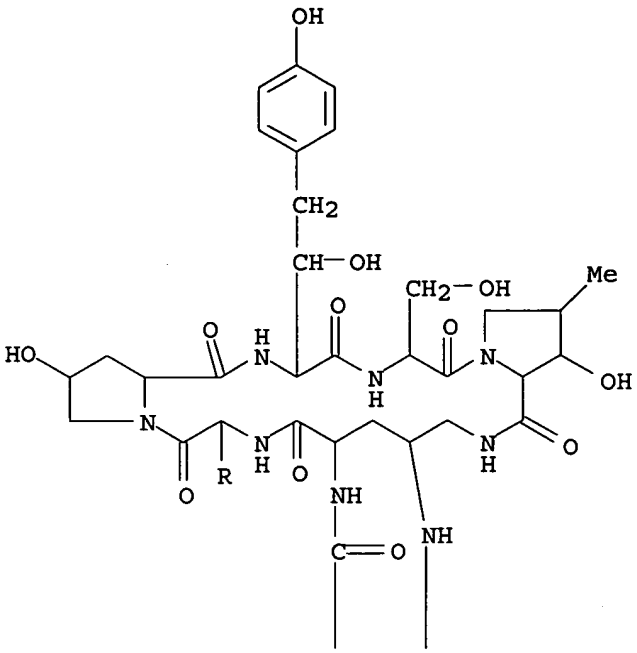

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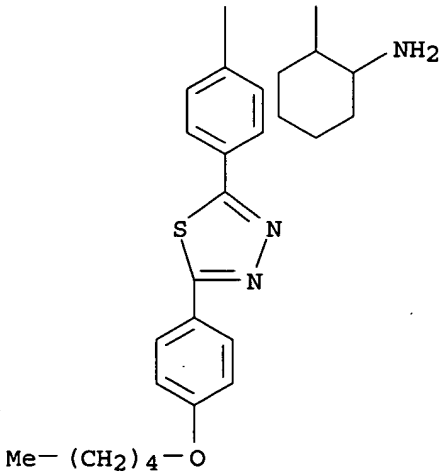

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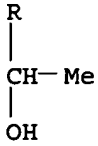

L3 ANSWER 23 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-61-1 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O14 S . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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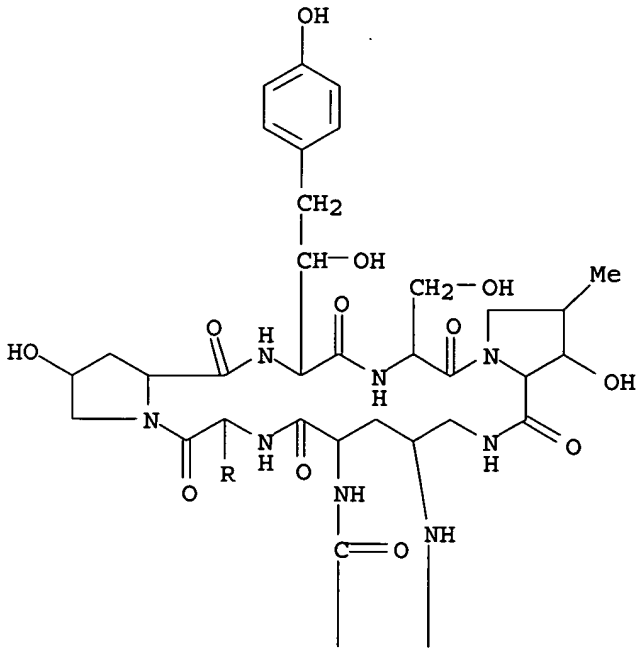

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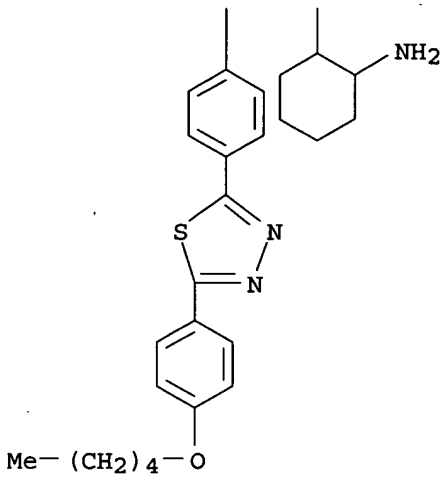

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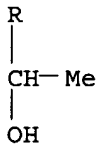

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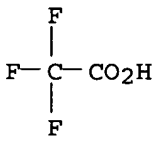

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

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RN 310459-60-0 REGISTRY
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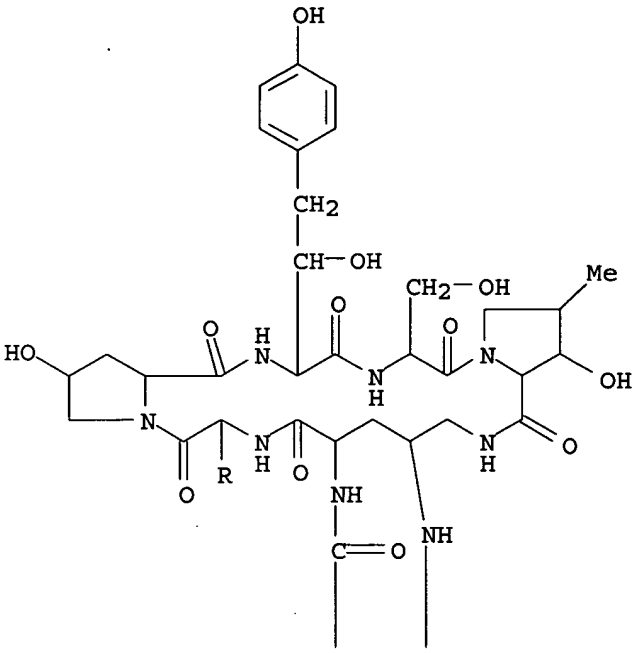

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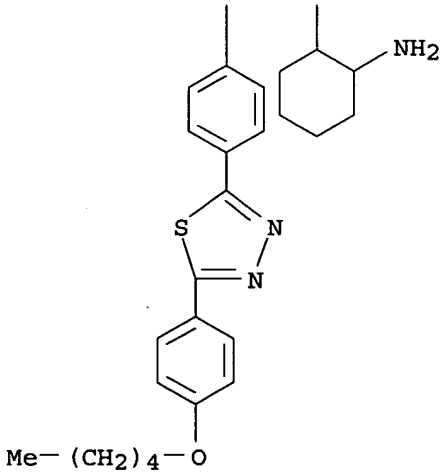

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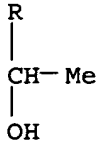

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RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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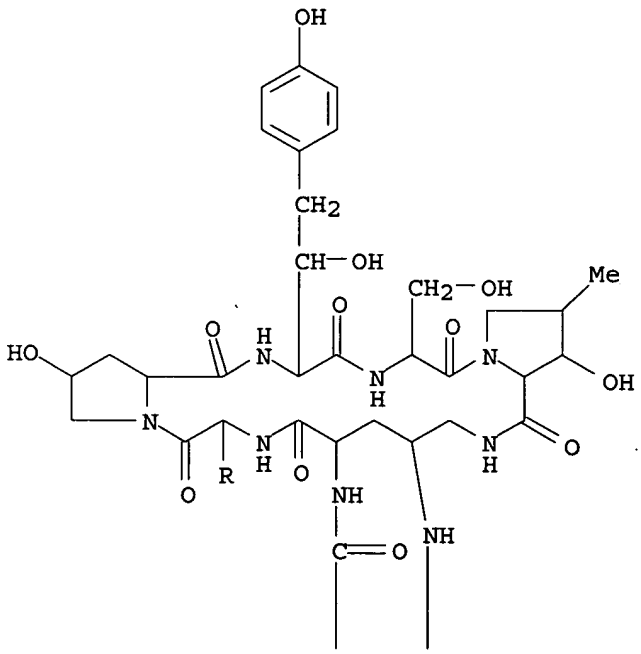

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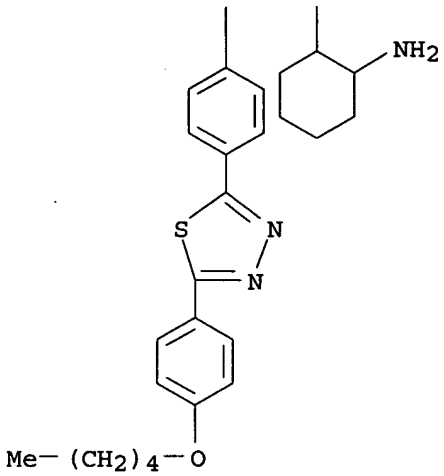

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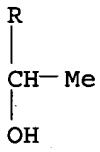

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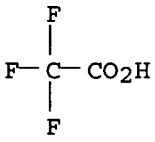
CRN 76-05-1
CMF C2 H F3 O2



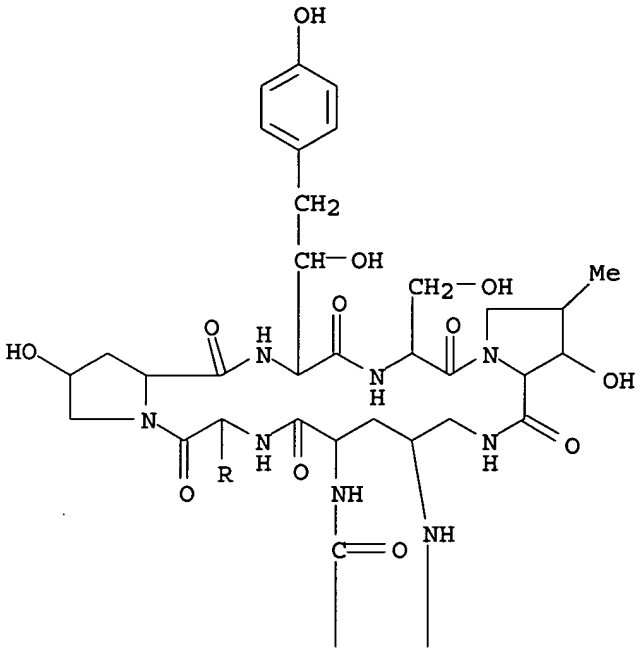
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 26 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-57-5 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[[(1S,2S)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-1,3,4-thiadiazol-2-yl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O14 S
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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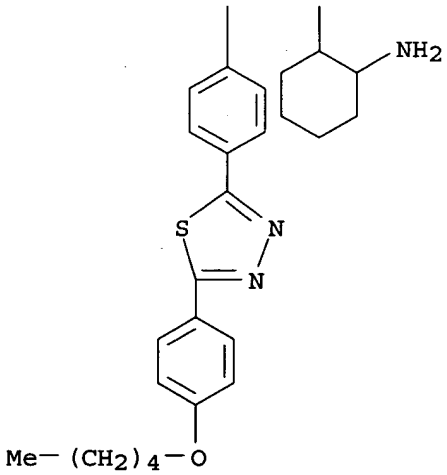

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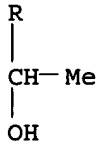

L3 ANSWER 27 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-52-0 REGISTRY

CN Deoxymulundocandin, 1-[(4S)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-1,3,4-thiadiazol-2-yl]benzoyl]-L-ornithine]-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H73 N11 O14 S . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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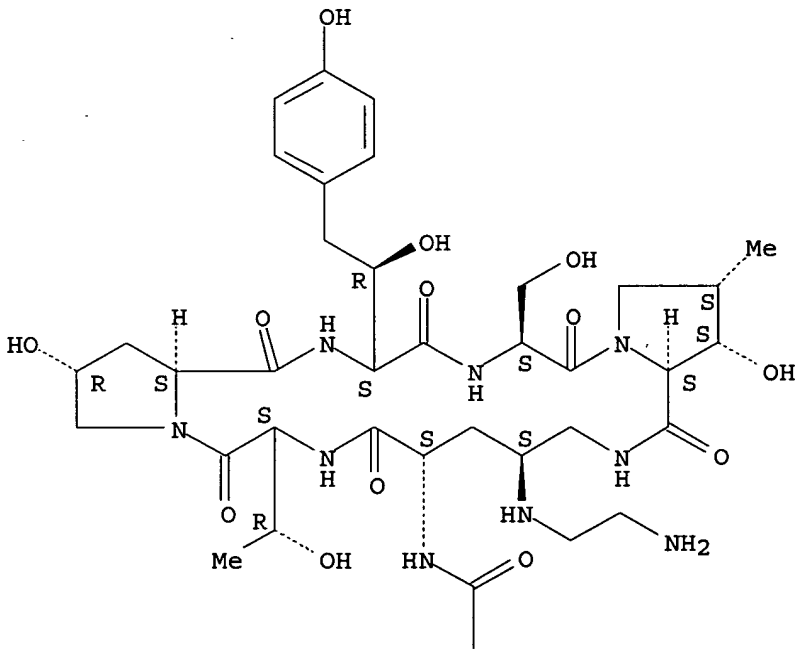
CRN 310459-51-9
CMF C55 H73 N11 O14 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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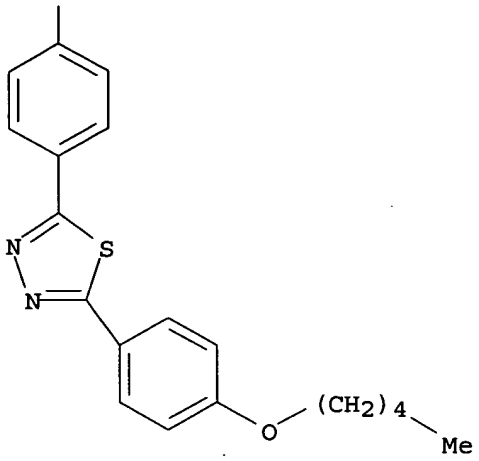

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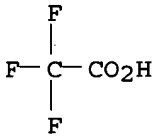

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 28 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-51-9 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-1,3,4-thiadiazol-2-yl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H73 N11 O14 S
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

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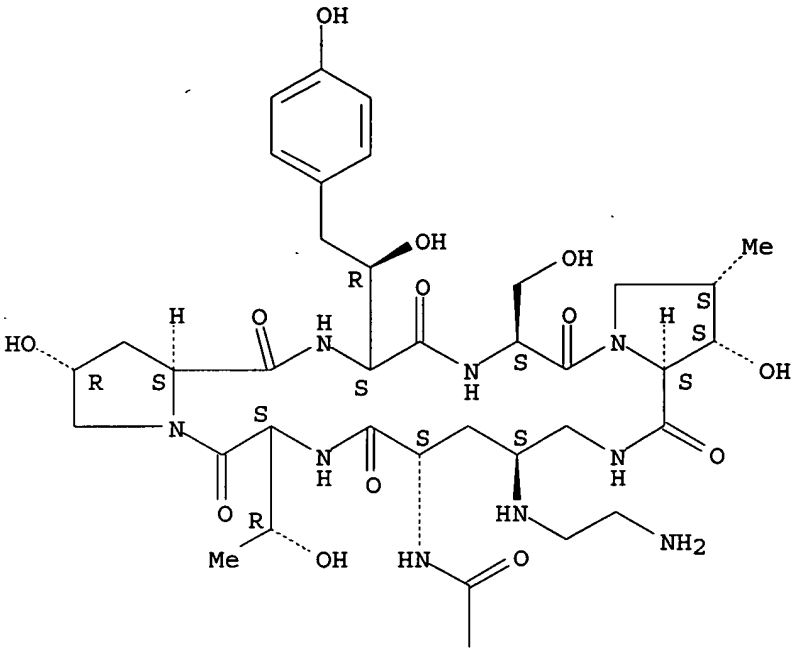

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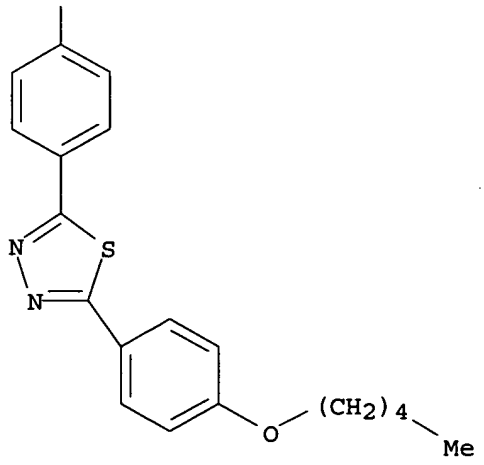

L3 ANSWER 29 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-49-5 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H73 N11 O14 S . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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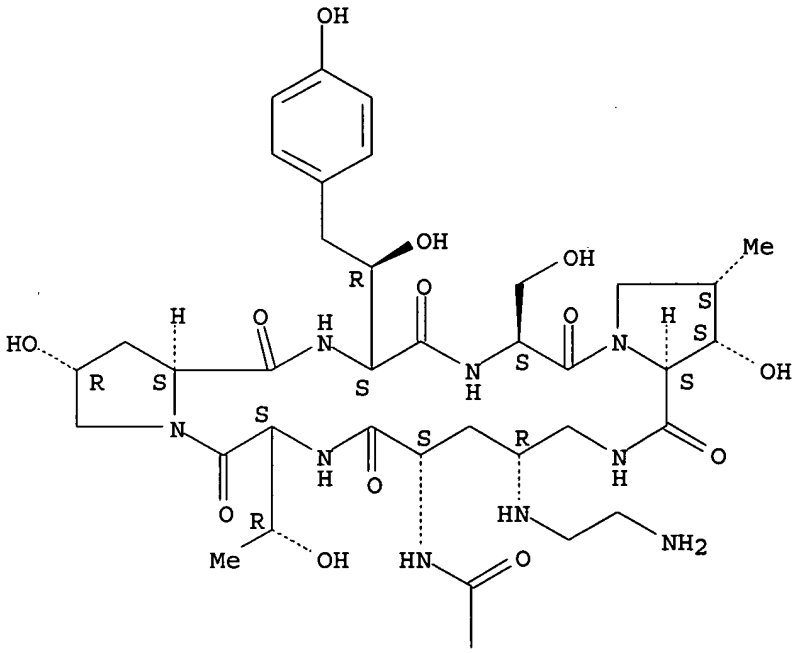
CRN 310459-48-4
CMF C55 H73 N11 O14 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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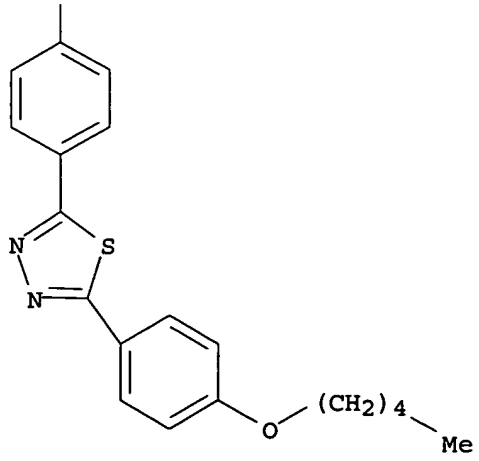

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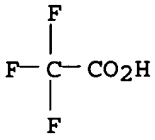

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 30 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-48-4 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-1,3,4-thiadiazol-2-yl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H73 N11 O14 S
CI COM
SR CA
LC STN Files: CA, CAPLUS
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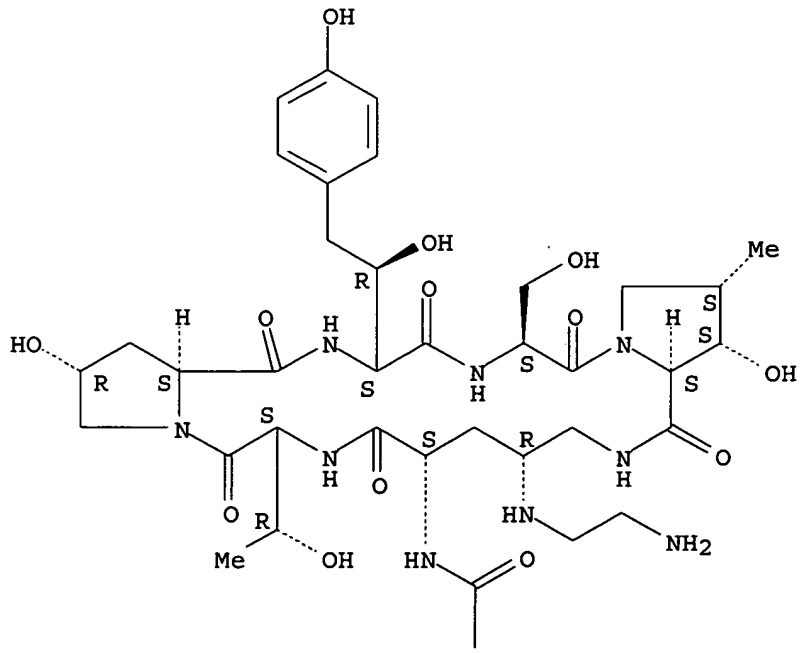
RL.P Roles from patents: PREP (Preparation)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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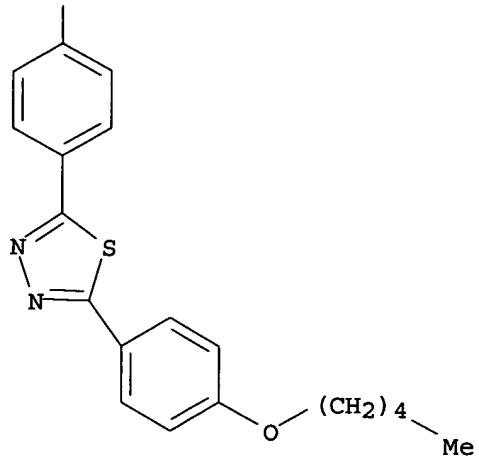

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:53314

L3 ANSWER 31 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-42-8 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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CRN 310459-41-7
CMF C59 H79 N11 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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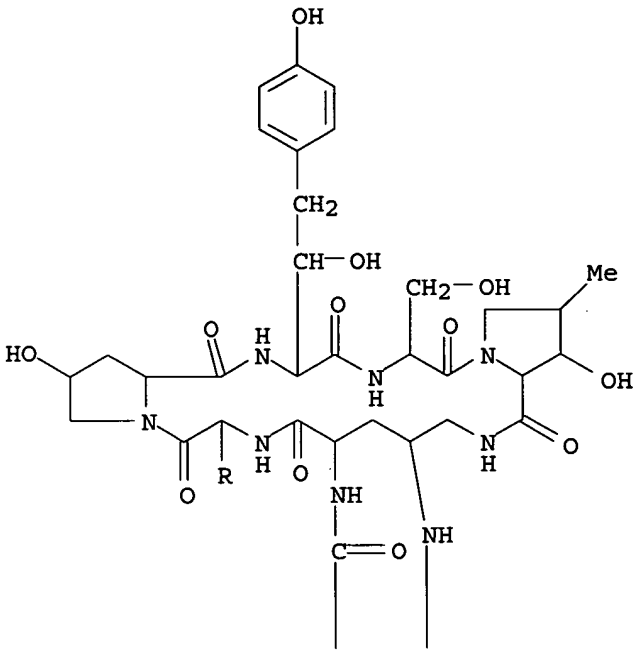

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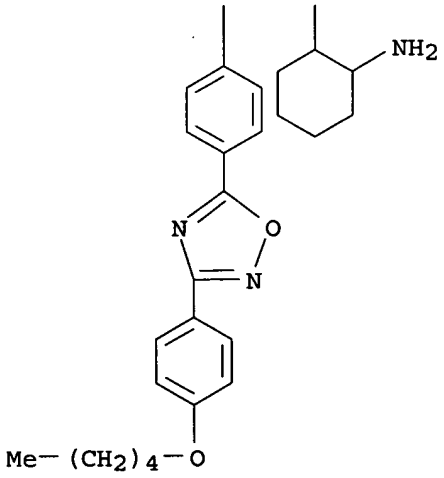

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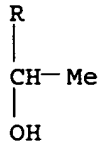

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CRN 76-05-1
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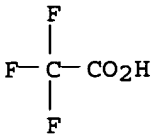

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 32 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-41-7 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[[(1S,2S)-2-aminocyclohexyl]amino]-N2-[4-[3-[4-(pentyloxy)phenyl]-1,2,4-oxadiazol-5-yl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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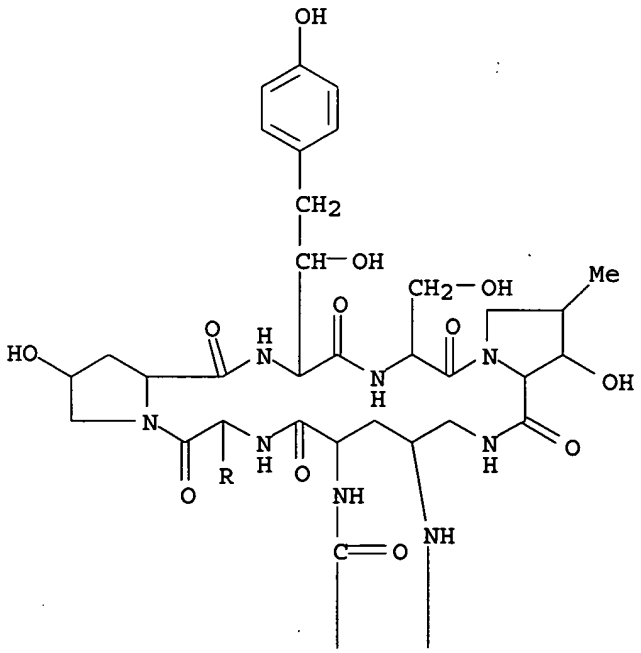

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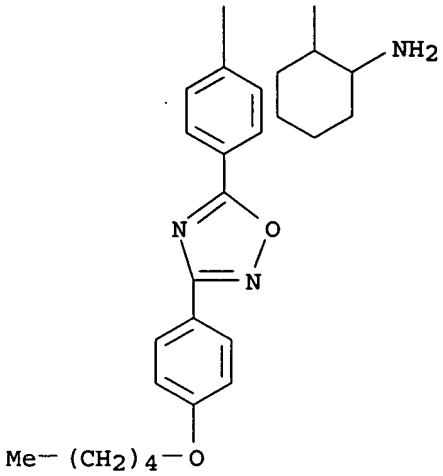

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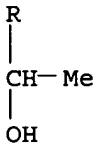

L3 ANSWER 33 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-39-3 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310459-38-2
CMF C59 H79 N11 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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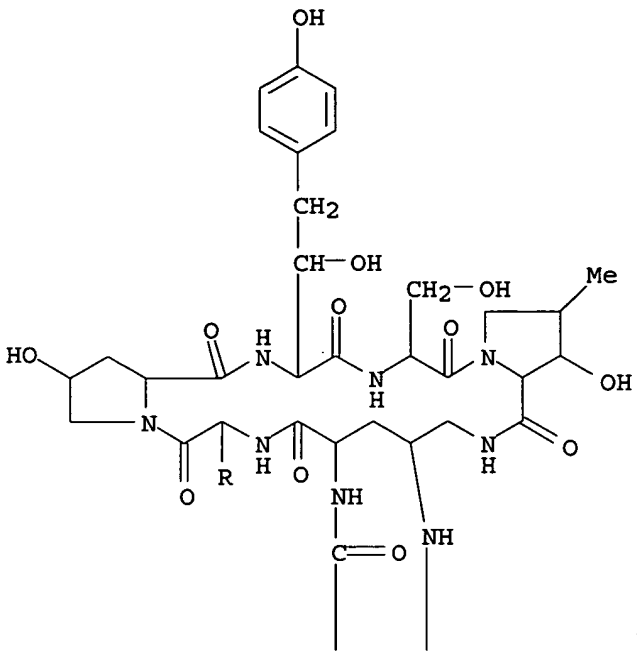

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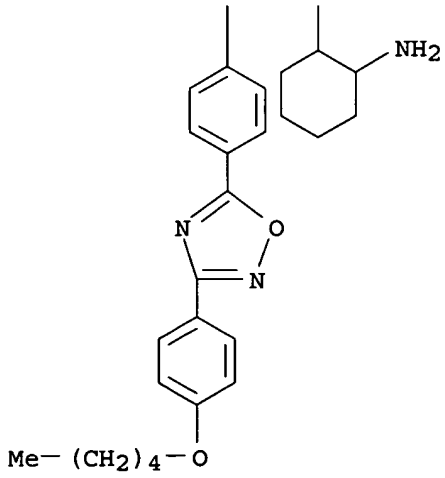

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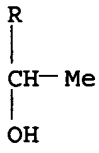

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CRN 76-05-1
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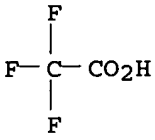

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 34 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-38-2 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[[(1S,2S)-2-aminocyclohexyl]amino]-N2-[4-[3-[4-(pentyloxy)phenyl]-1,2,4-oxadiazol-5-yl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H79 N11 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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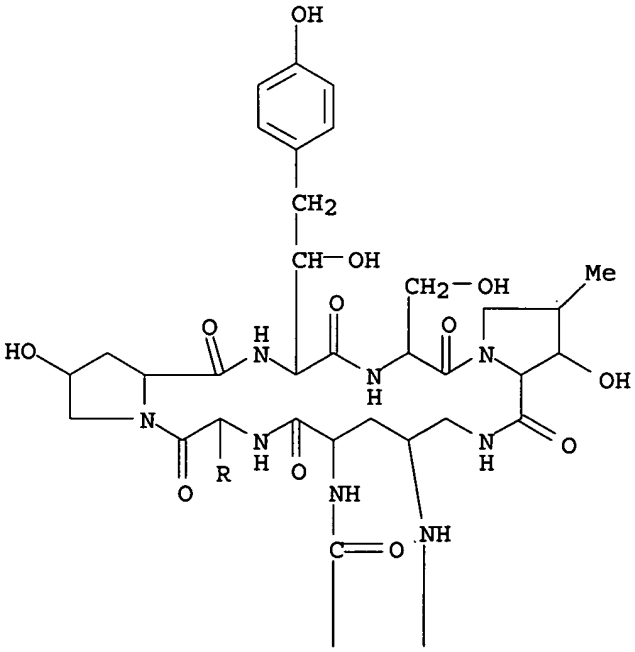

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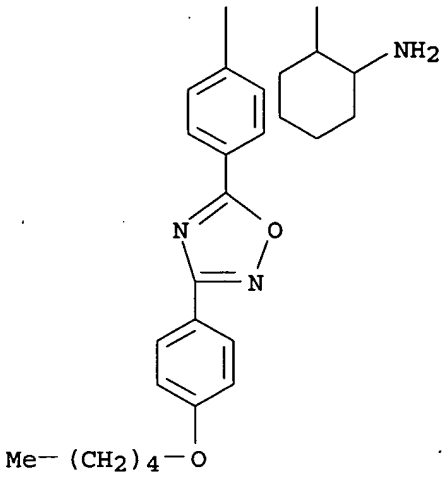

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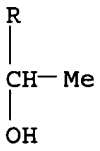

L3 ANSWER 35 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-36-0 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C57 H76 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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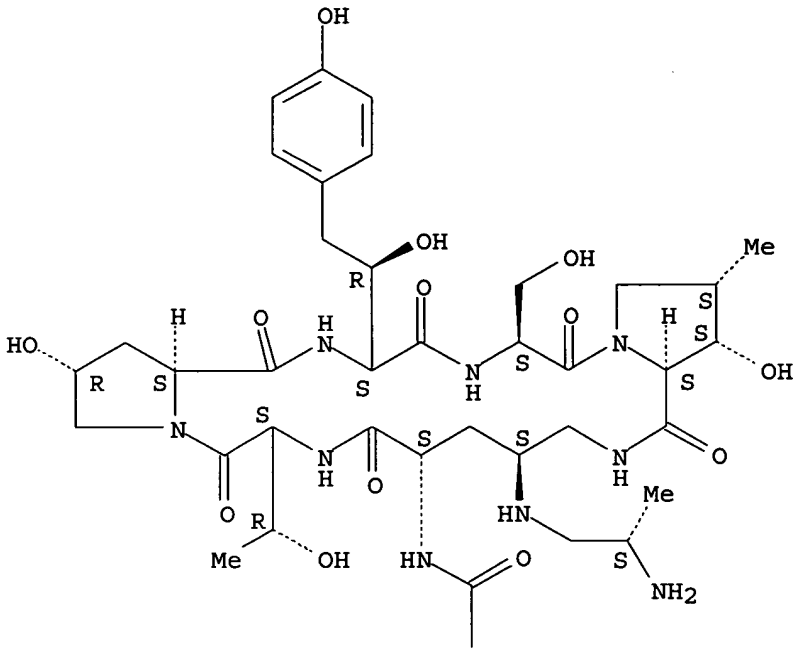
CRN 310459-35-9
CMF C57 H76 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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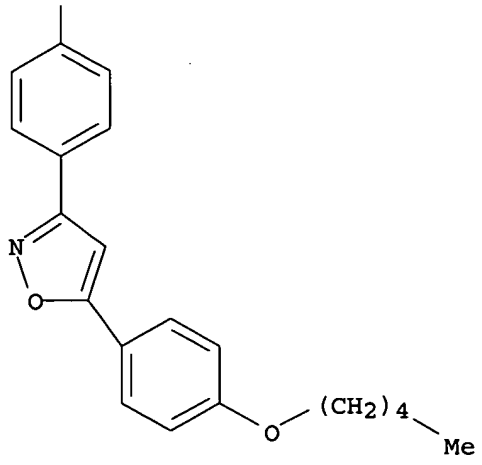

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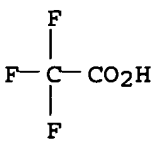


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

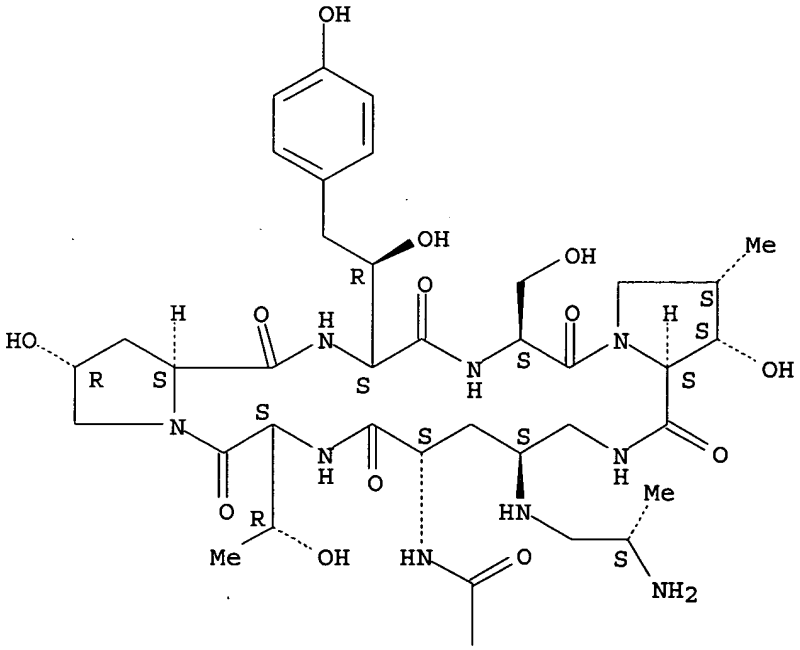
REFERENCE 1: 134:17732

L3 ANSWER 36 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-35-9 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[[(2S)-2-aminopropyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C57 H76 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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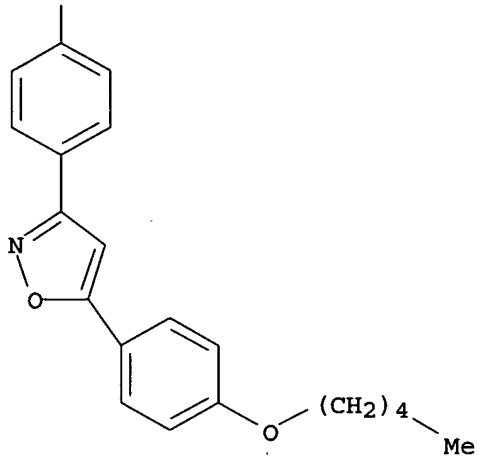

L3 ANSWER 37 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-33-7 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C57 H76 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

CM 1

CRN 310459-32-6
CMF C57 H76 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

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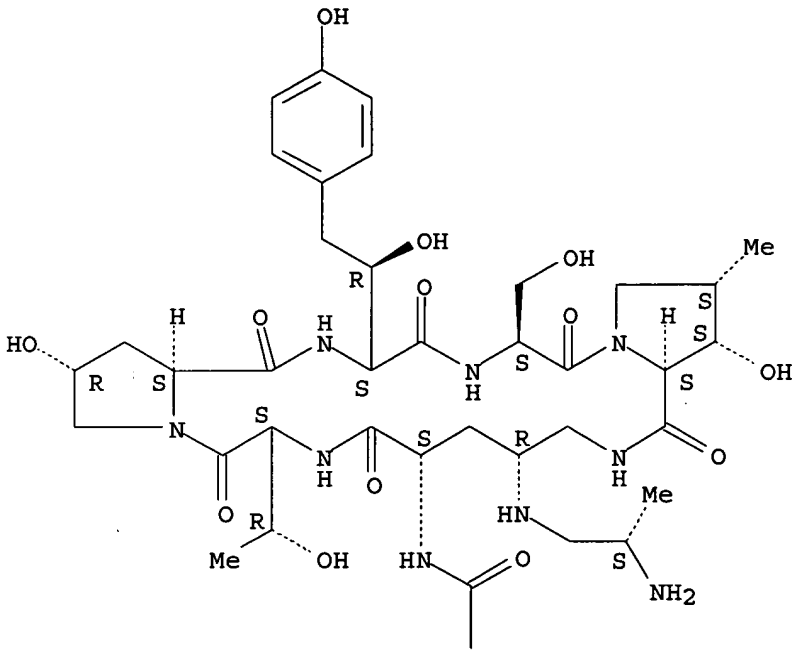

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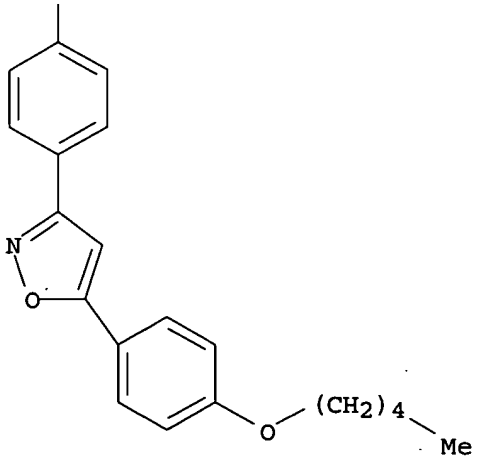

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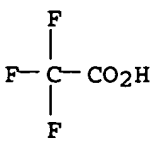


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

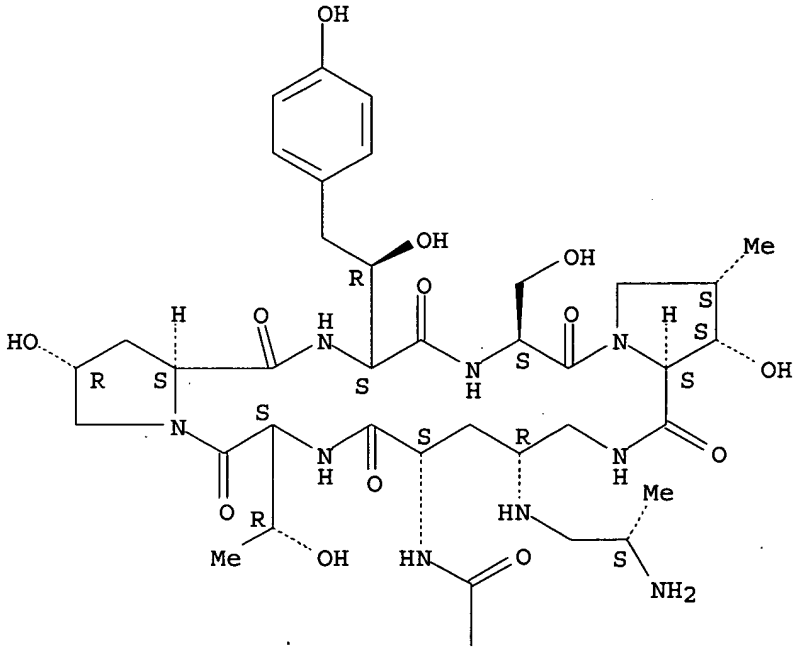
REFERENCE 1: 134:17732

L3 ANSWER 38 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-32-6 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[[(2S)-2-aminopropyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C57 H76 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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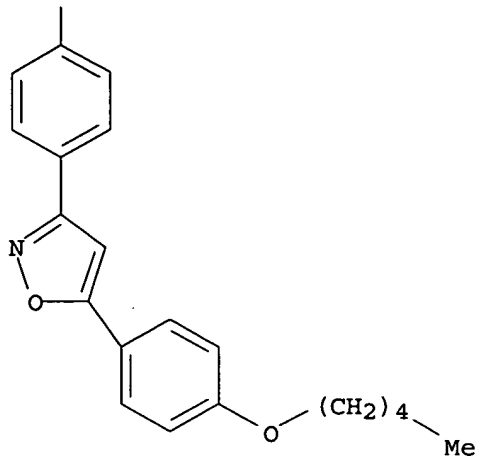

L3 ANSWER 39 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-30-4 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

CM 1

CRN 310459-29-1
CMF C60 H80 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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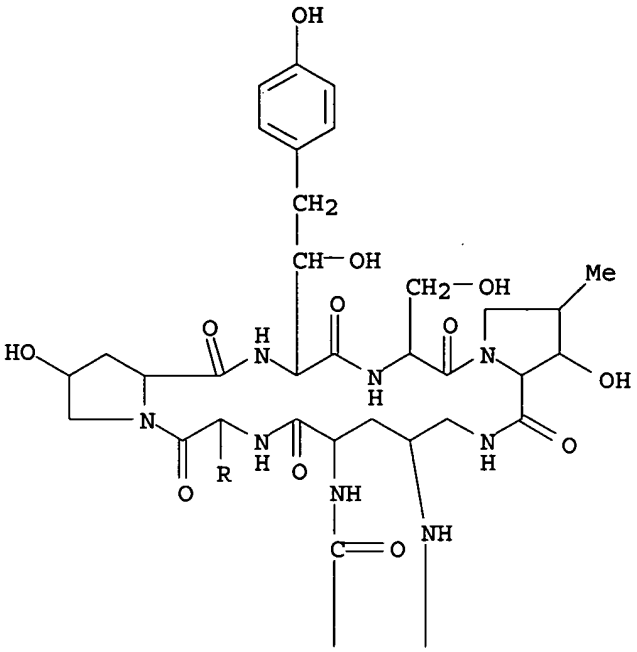

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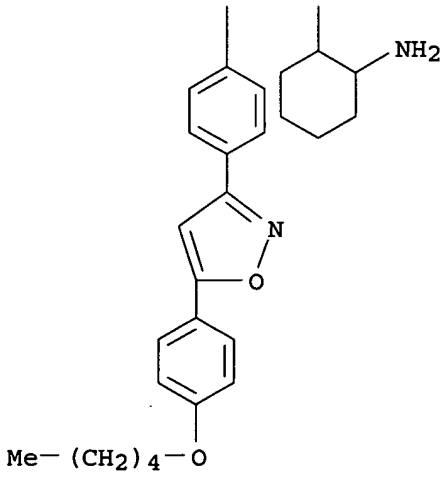

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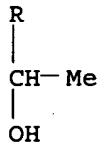

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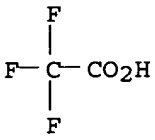


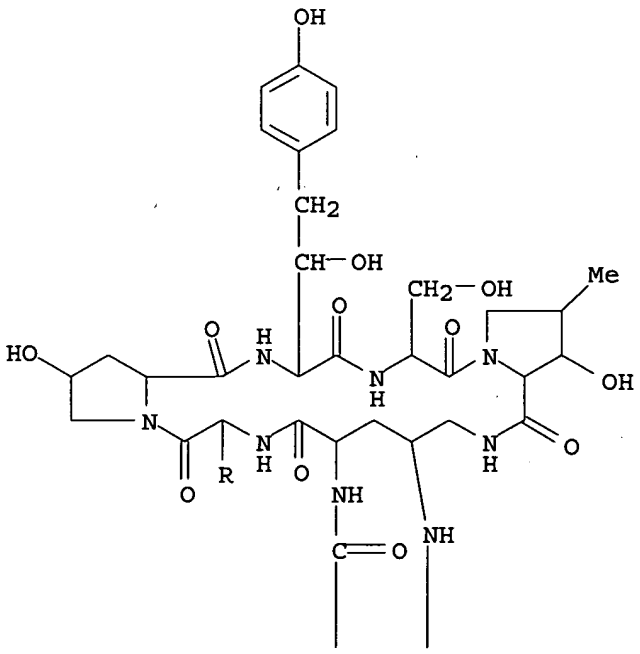
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 40 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-29-1 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[[(1S,2S)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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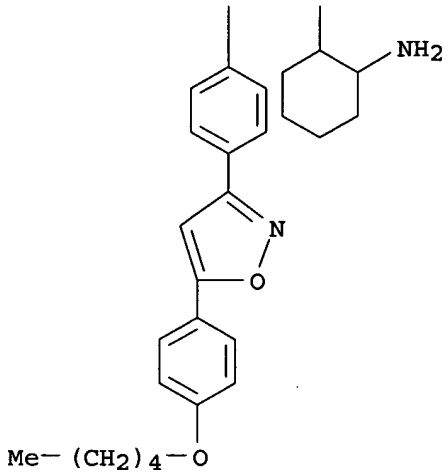

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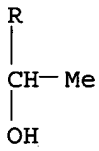

L3 ANSWER 41 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-27-9 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310459-26-8
CMF C60 H80 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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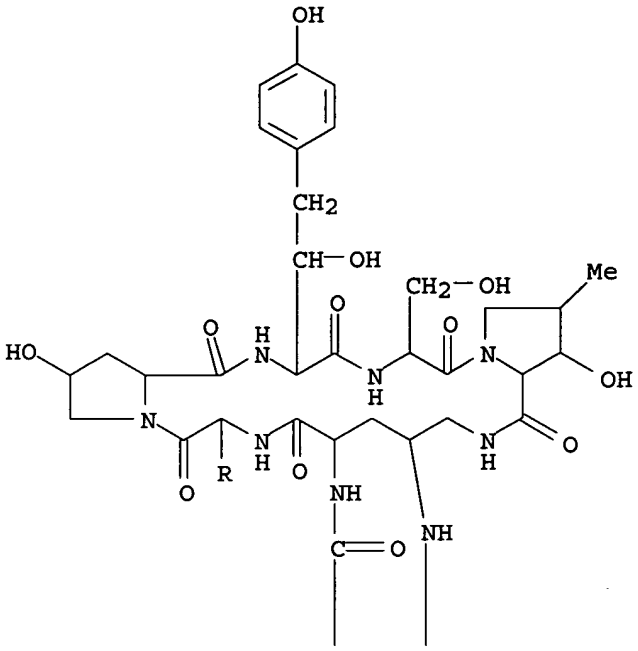

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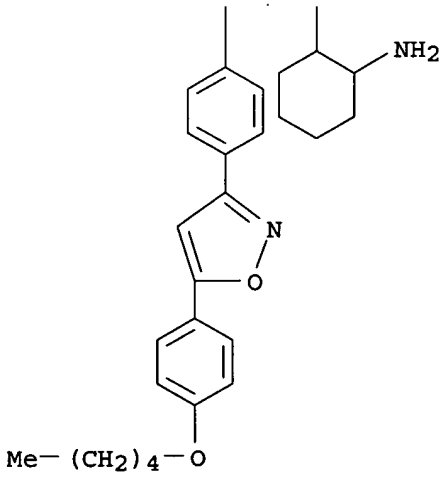

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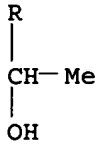

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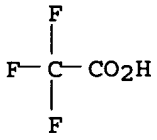


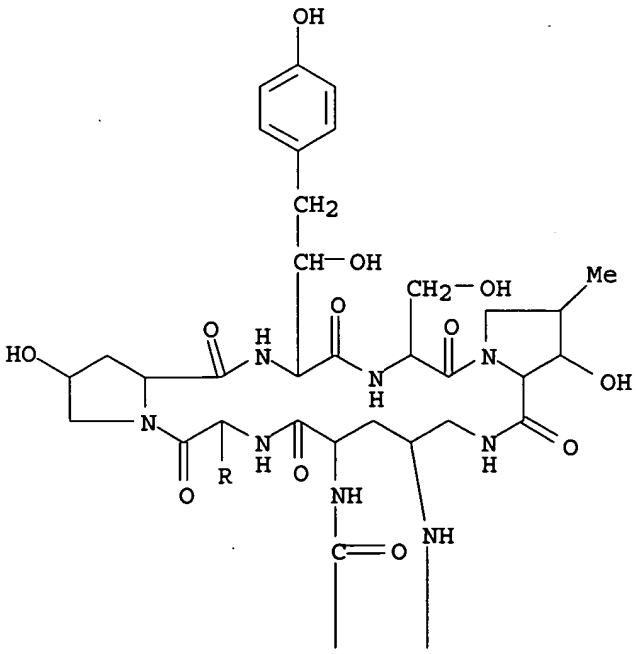
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 42 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-26-8 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[[(1S,2S)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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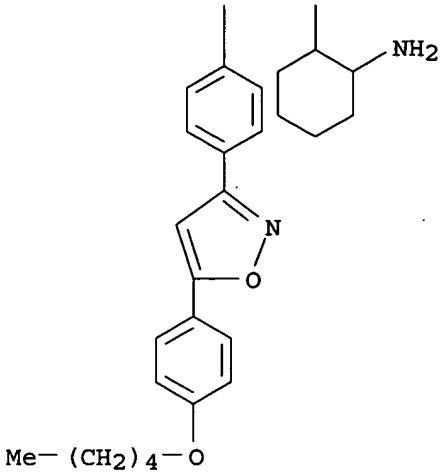

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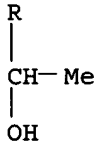

L3 ANSWER 43 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-23-5 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310459-22-4
CMF C60 H80 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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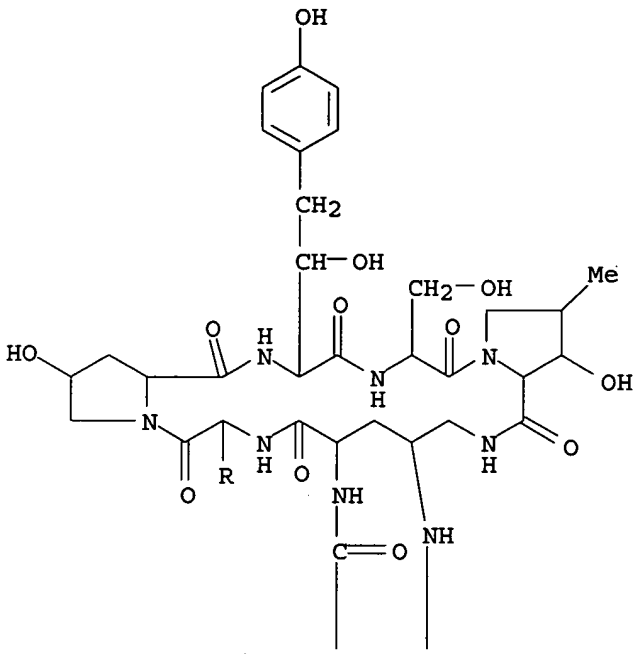

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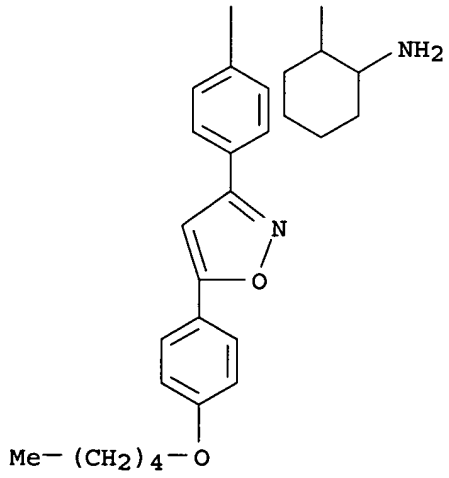

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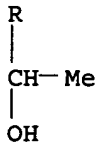

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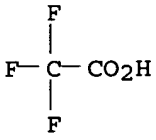

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 44 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-22-4 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[[(1R,2R)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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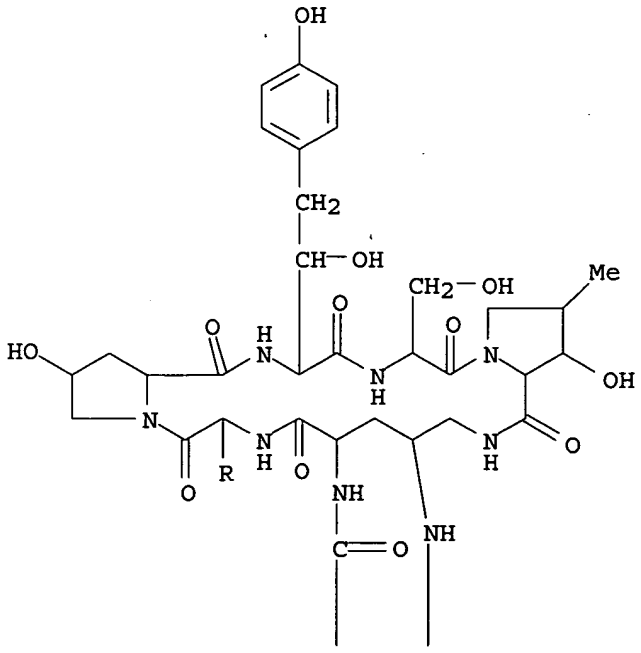

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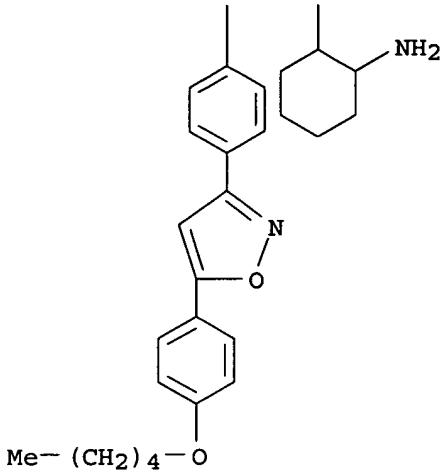

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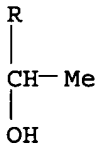

L3 ANSWER 45 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-20-2 REGISTRY
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FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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CRN 310459-19-9
CMF C60 H80 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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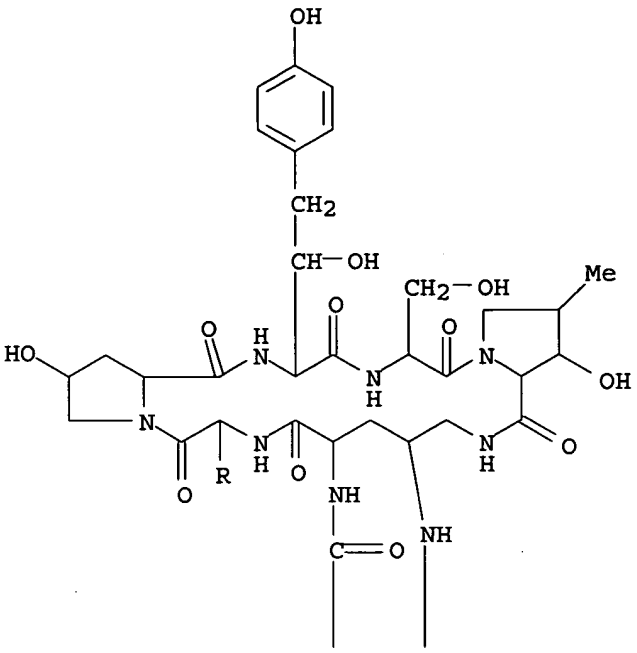

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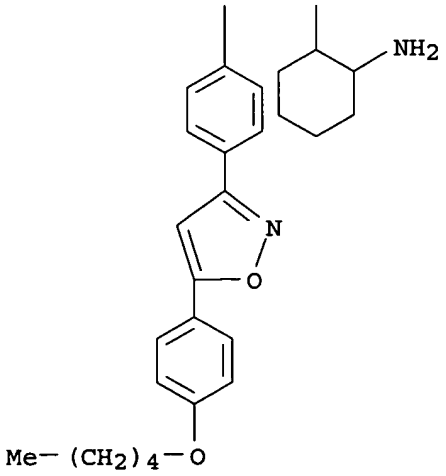

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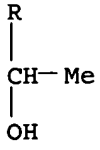

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CRN 76-05-1
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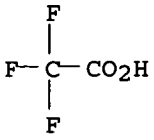


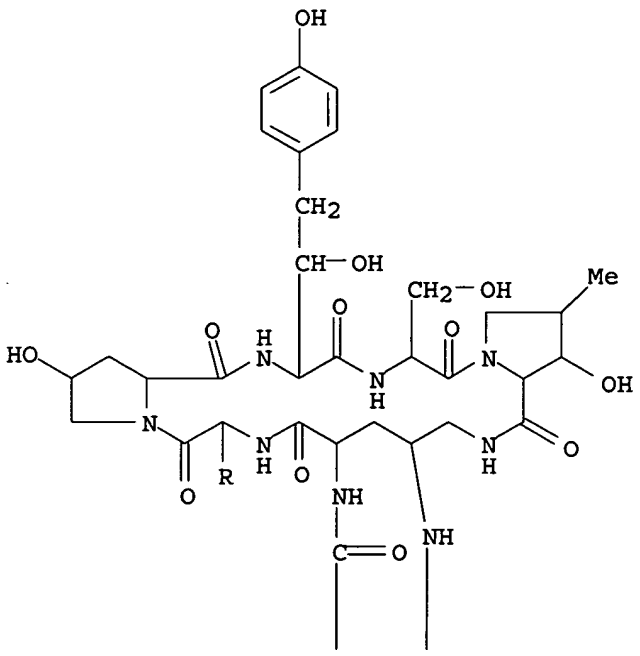
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 134:17732

L3 ANSWER 46 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-19-9 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[[(1R,2R)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C60 H80 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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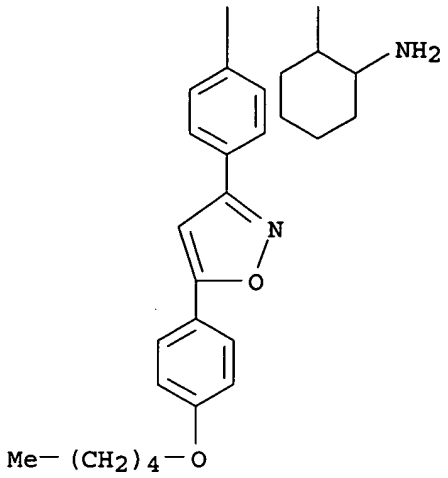

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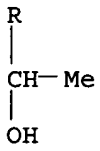

L3 ANSWER 47 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-11-1 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H74 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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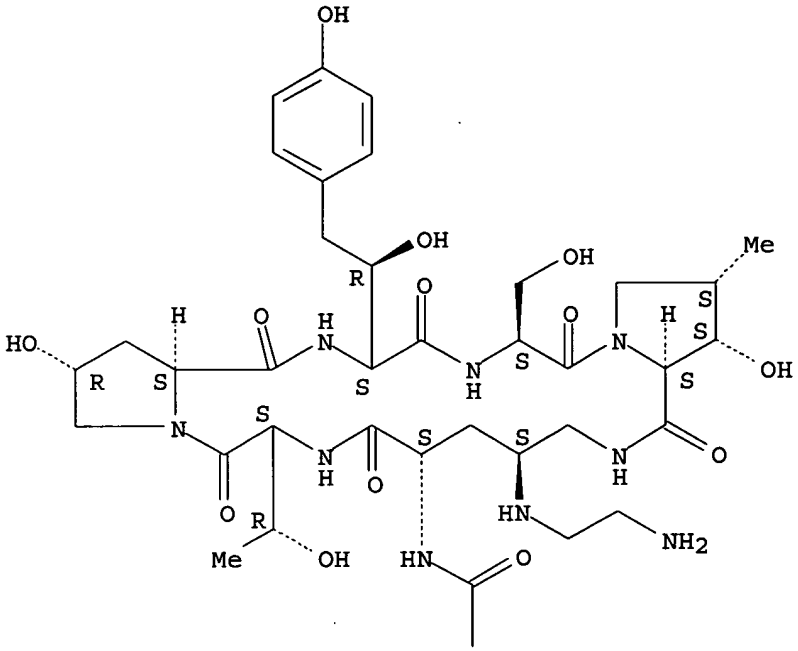
CRN 310459-10-0
CMF C56 H74 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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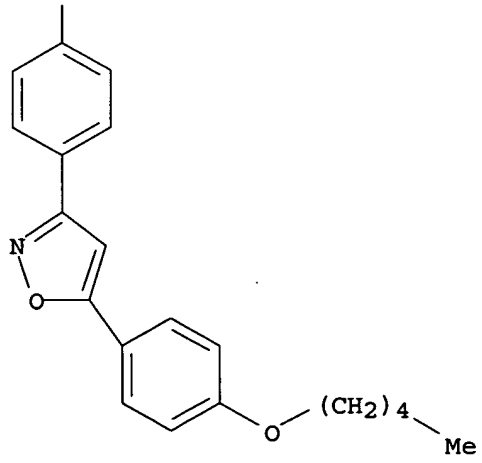

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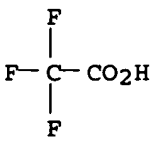


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

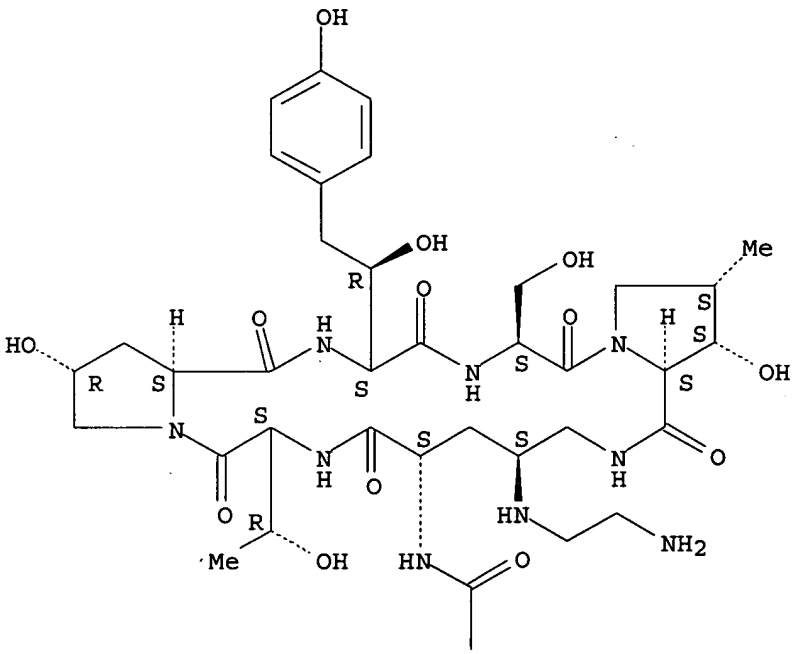
REFERENCE 1: 134:17732

L3 ANSWER 48 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-10-0 REGISTRY
CN Deoxymulundocandin, 1-[(4S)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H74 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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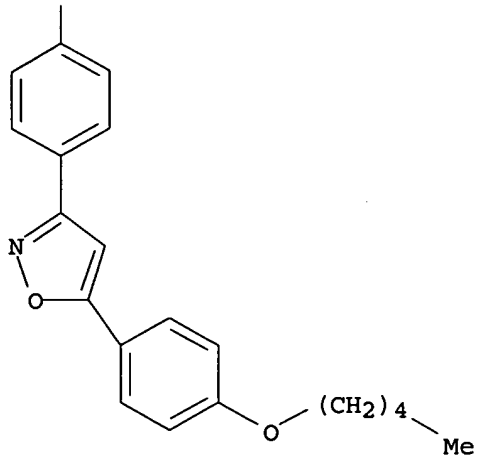

L3 ANSWER 49 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-08-6 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H74 N10 O15 . x C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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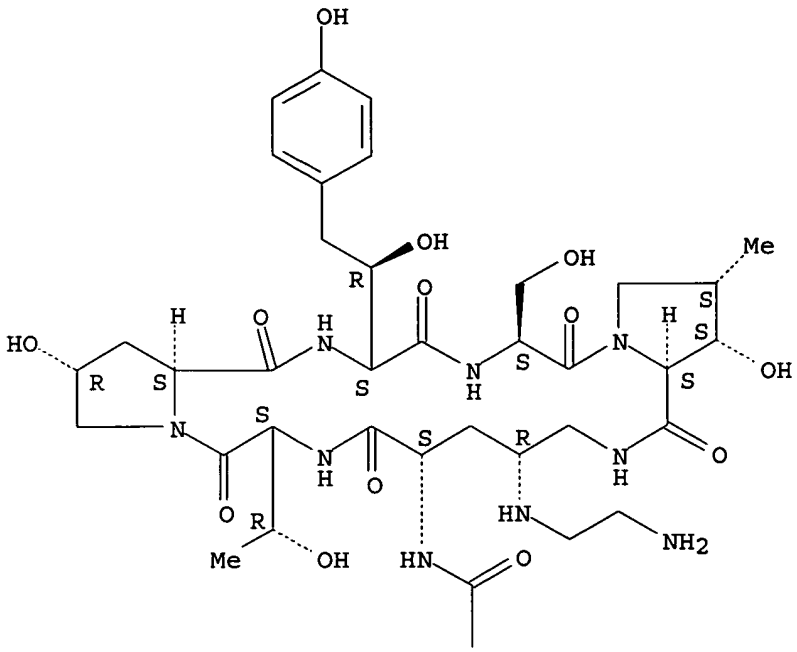
CRN 310459-07-5
CMF C56 H74 N10 O15

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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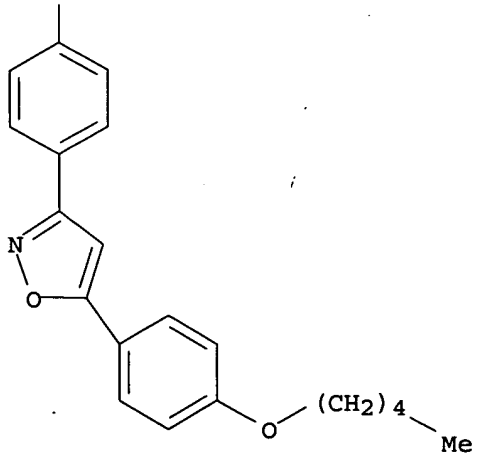

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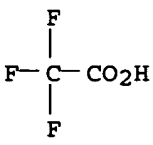


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

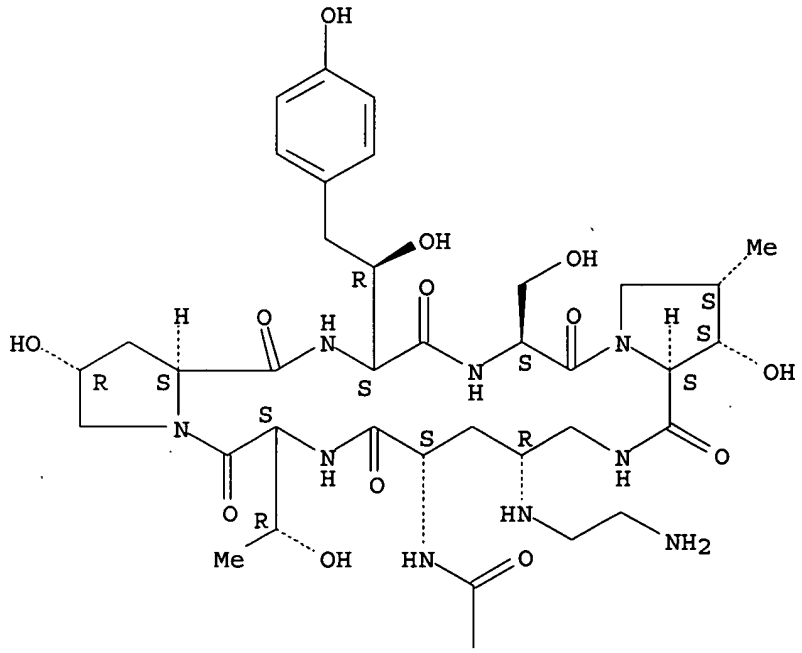
REFERENCE 1: 134:17732

L3 ANSWER 50 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 310459-07-5 REGISTRY
CN Deoxymulundocandin, 1-[(4R)-4-[(2-aminoethyl)amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H74 N10 O15
CI COM
SR CA

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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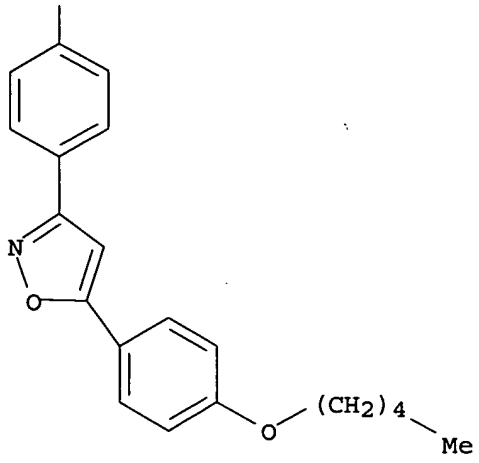
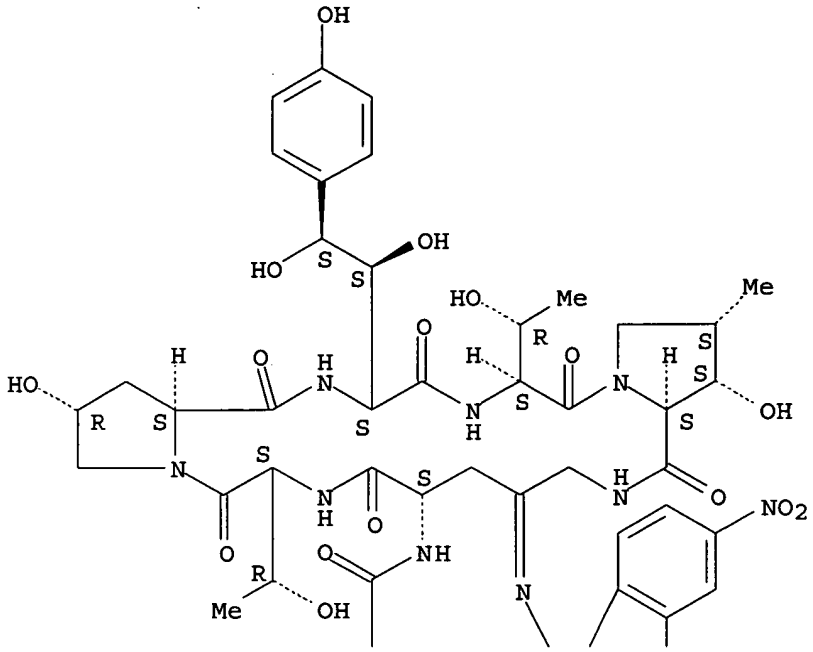


L3 ANSWER 51 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 266317-27-5 REGISTRY
CN Echinocandin B, 1-[4-[(2,4-dinitrophenyl)hydrazono]-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C64 H75 N11 O19
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



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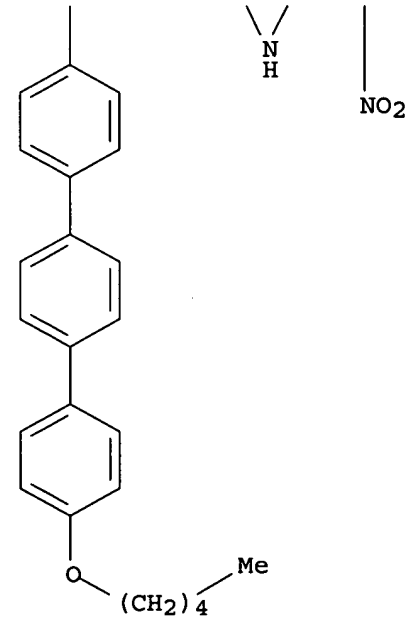


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:308664

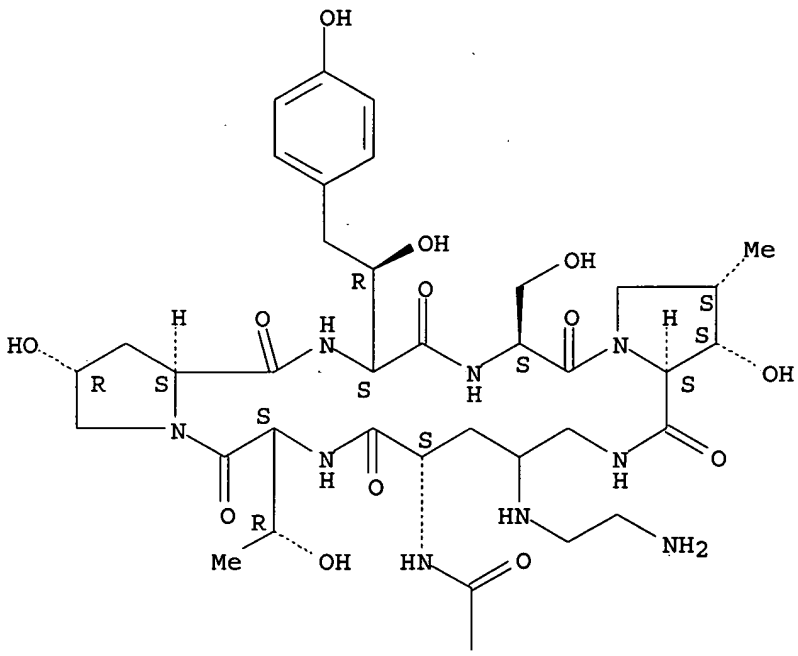
L3 ANSWER 52 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 227472-51-7 REGISTRY

CN Deoxymulundocandin, 1-[4-[(2-aminoethyl)amino]-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H77 N9 O14
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



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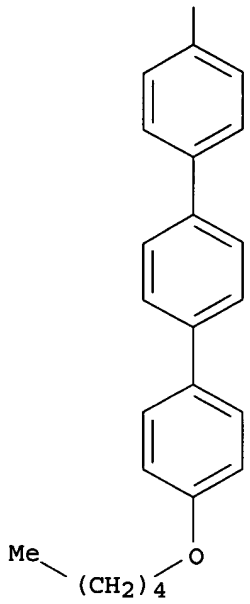

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:45105

L3 ANSWER 53 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 227472-50-6 REGISTRY
CN Deoxymulundocandin, 1-[4-[(aminoiminomethyl)hydrazono]-N2-[4-[4-[4-(pentyloxy)phenyl]-1-piperazinyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H77 N13 O14
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.
Double bond geometry unknown.

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OH

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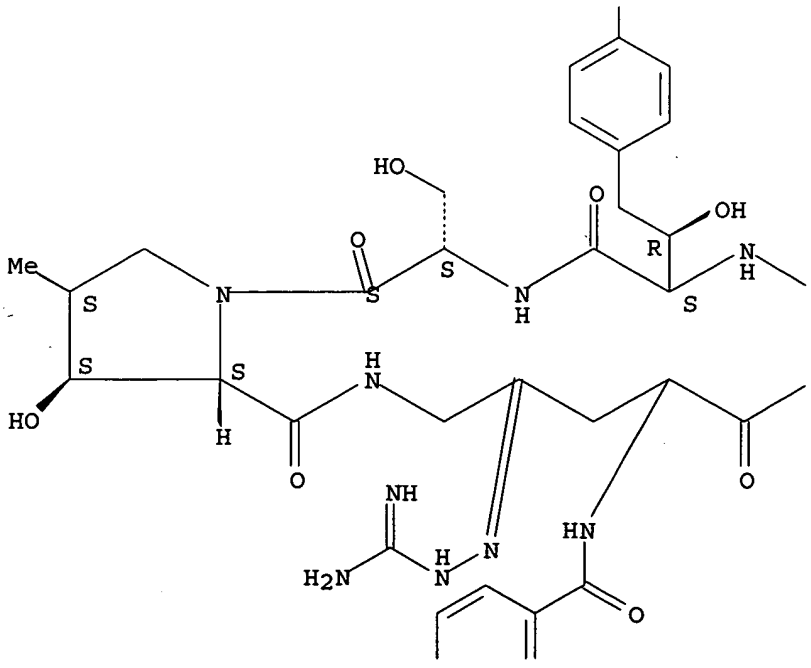

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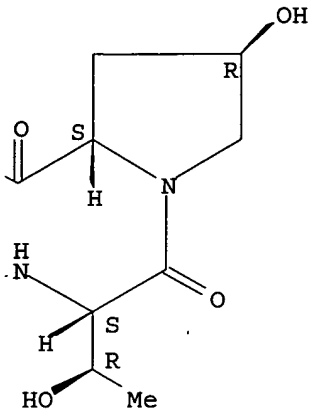

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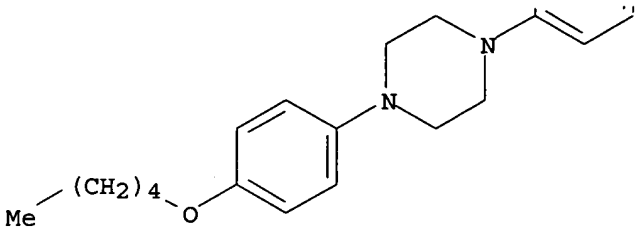


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:45105

L3 ANSWER 54 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 227472-49-3 REGISTRY
CN Deoxymulundocandin, 1-[4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14 . C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

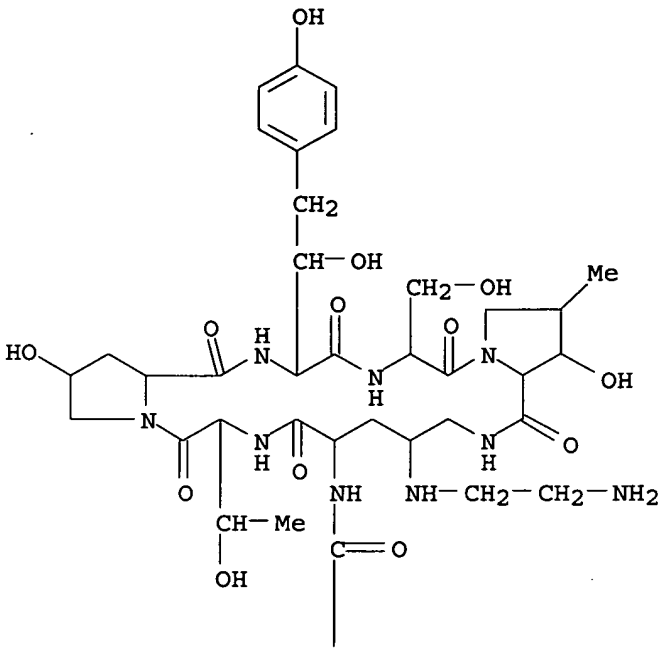
RELATED SEQUENCES AVAILABLE WITH SEQLINK

CM 1

CRN 227472-48-2
CMF C56 H79 N9 O14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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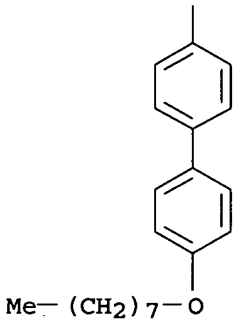
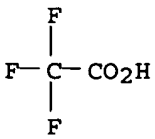


CM 2

CRN 76-05-1
CMF C2 H F3 O2



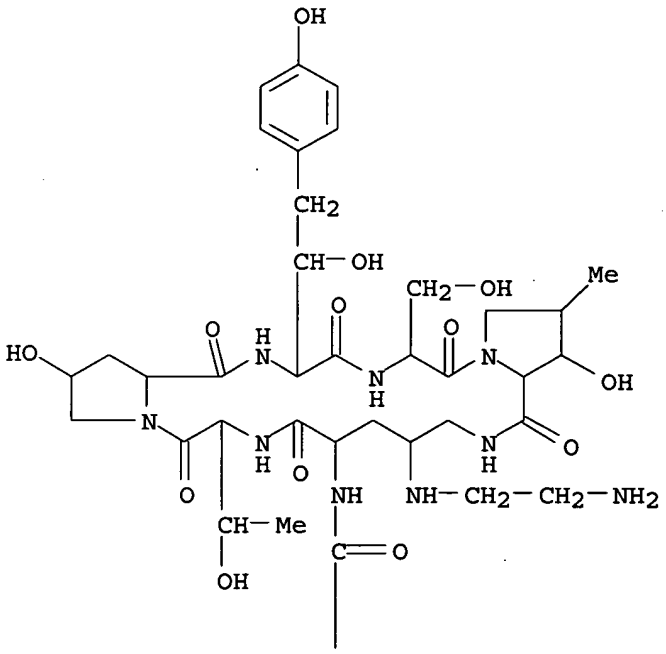
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:45105

L3 ANSWER 55 OF 55 REGISTRY COPYRIGHT 2004 ACS on STN
RN 227472-48-2 REGISTRY
CN Deoxymulundocandin, 1-[4-[(2-aminoethyl)amino]-N2-[[4'-(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H79 N9 O14
CI COM
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



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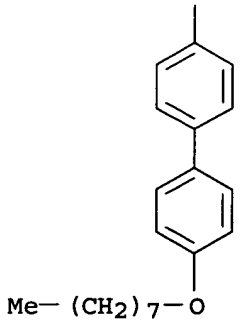

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 131:45105

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